CFD-565/567/DW565

SERVICE MANUAL

US Model
Canadian Model
CFD-565/567
Australian Model
CFD-565
Central and South America Model
CFD-DW565

Photo: CFD-567

AUDIO POWER SPECIFICATIONS
POWER OUTPUT AND TOTAL HARMONIC DISTORTION
With 3.2-ohm loads, both channel driven from 150 - 15,000 Hz; rated 3.5 W per channel-minimum RMS power, with no more than 10 % total harmonic distortion in AC operation.

CD Section	Model Name Using Similar Mechanism	CFD-550
	CD Mechanism Type	KSM-213BAN
	Optical Pick-Up Name	KSS-213B
TAPE Section	Model Name Using Similar Mechanism	NEW
	Tape Transport Mechanism Type	MF-565

SPECIFICATIONS

CD player section

System
Compact disc digital audio system
Laser diode properties
Material: GaAlAs
Wave length: 780 nm
Emission duration: Continuous
Laser output: Less than 44.6 µW
(This output is the value measured at a distance of about 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)
Spindle speed
200 r/min (rpm) to 500 r/min (rpm) (CLV)
Number of channels
2
Frequency response
20-20,000 Hz +0/–1 dB
Wow and flutter
Below measurable limit

Radio section

Frequency range
FM: 87.6-108 MHz
AM: 530-1,710 kHz (US, Canadian, Central and South America)
531-1,602 kHz (Australian)
Aerials
FM: Telescopic aerial
AM: Built-in ferrite bar aerial

Cassette-corder section

Recording system
4-track 2 channel stereo
Fast winding time
Approx. 120 s (sec.) with Sony cassette C-60
Frequency response
TYPE I (normal): 80-12,000 Hz

General

Speaker
Full range: 12 cm (4 3/4 in.) dia., 3.2 ohms, cone type (2)
Tweeter: 2 cm (13/16 in.) dia. (2)
Inputs
Mixing microphone input jack (minijack):
Sensitivity 2.45 mV
For low impedance microphone.
Outputs
Headphones jack (stereo minijack)
For 16-68 ohms impedance headphones
Maximum power output
4.3 W + 4.3 W
Power requirements
For CD radio cassette-corder:
120 V AC, 60 Hz (US, Canadian, Central and South America)
230-240 V AC, 50 Hz (Australian)
12 V DC, 8 size D (R20) batteries
For memory back up:
6 V DC, 4 size AA (R6) batteries
For remote:
3 V DC, 2 size AA (R6) batteries
Power consumption
AC 28 W

Battery life
For CD radio cassette-corder:

FM recording	
Sony R20P: approx. 11 h	
Sony alkaline LR20: approx. 16 h	
Tape playback	
Sony R20P: approx. 6 h	
Sony alkaline LR20: approx. 10 h	
CD playback	
Sony R20P: approx. 4 h	
Sony alkaline LR20: approx. 6 h	

Dimensions
Approx. 653×267×207 mm (w/h/d)
(25 3/4 × 10 3/8 × 8 1/4 inches)
(incl. projecting parts)
Mass
Approx. 11.3 kg (24 lb. 15 oz)
(incl. batteries)
Supplied accessory
AC power cord (1)
Remote controller (1)

Design and specifications are subject to change without notice.

CD RADIO CASSETTE-CORDER

SONY

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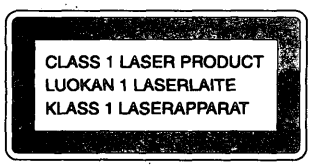


This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

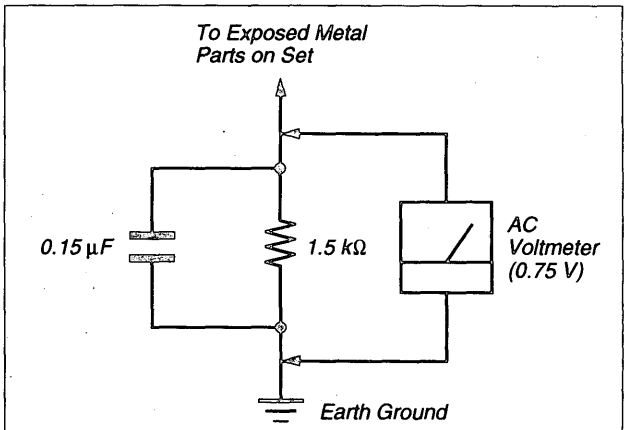


Fig. A. Using an AC voltmeter to check AC leakage.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1
SERVICING NOTES

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

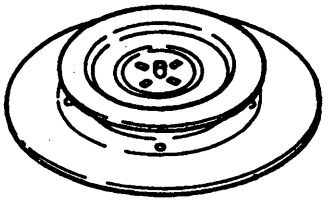
NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

CHECK PLATE JIG ON REPAIRING

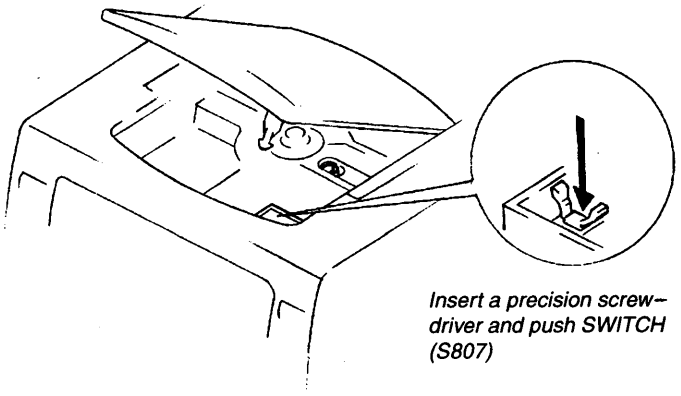
On repairing CD section, playing a disc without the CD lid, use Chuck Plate Jig.

- Code number of Chuck Plate Jig: X-4918-255-1



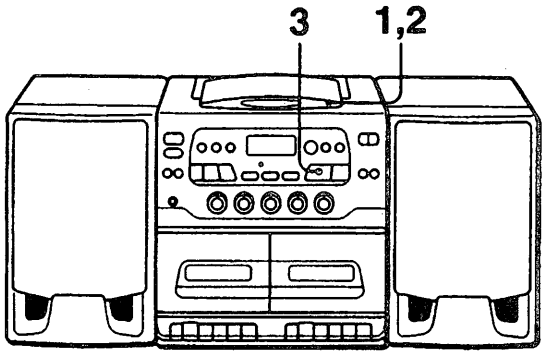
LASER DIODE AND FOCUS SEARCH OPERATION CHECK

1. Press CDopen key.
2. Open the lid for CD.
3. Push on SWITCH (S807) as following figure.
4. Confirm the laser diode emission while observing the objecting lens. When there is no emission, Auto Power Control circuit or Optical Pick-up is broken.
   Objective lens moves up and down once for the focus search.



Insert a precision screw-driver and push SWITCH (S807)

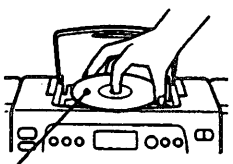
Playing a CD



For hookup instructions, see pages 24 – 26.

1

Press OPEN/CLOSE down to open the CD compartment and place the CD on the CD compartment.

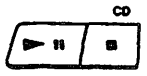


With the label side up

2

Close the lid of the CD compartment.

3



Press ▶II (direct power-on).

The player plays all the tracks once.

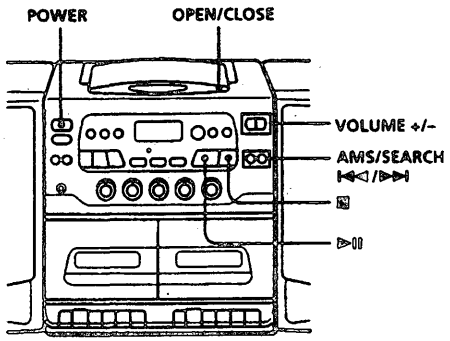
Display

Track number Playing time

Tip

Next time you want to listen to a CD, just press ▶II. The player turns on automatically and starts playing the CD.

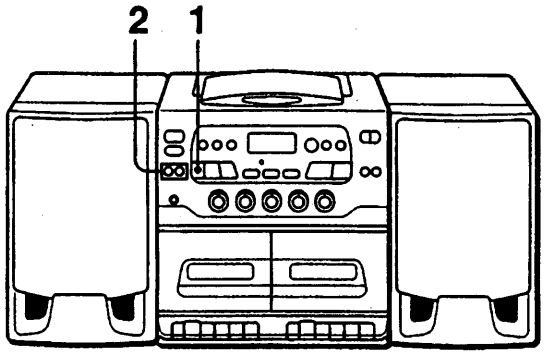
Use these buttons for additional operations



To	Press
Adjust the volume	VOLUME +/–
Stop playback	■
Pause playback	▶II Press again to resume play after pause.
Go to the next track	AMS/SEARCH▶▶I
Go back to the previous track	AMS/SEARCHI◀◀
Remove the CD	OPEN/CLOSE
Turn on/off the player	POWER

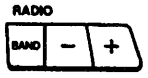
This section is extracted from instruction manual.

Listening to the radio



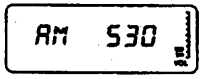
For hookup instructions, see pages 24 – 26.

1

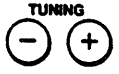


Press BAND until the band you want appears in the display (direct power-on).

Display



2



Hold down TUNING +/– until the frequency digits begin to change in the display.

The player automatically scans the radio frequencies and stops when it finds a clear station.

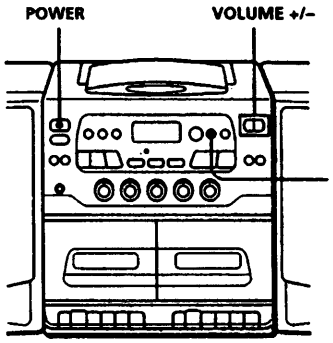
If you can't tune in a station, press the button once at a time.

Indicates an FM stereo broadcast.

Tips

- If the FM broadcast is noisy, press PLAY MODE/MONO/ST until "Mono" appears in the display and the radio will play in monaural.
- Next time you want to listen to the radio, just press the BAND button. The player turns on automatically and starts playing the previous station.

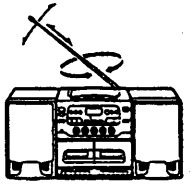
Use these buttons for additional operations



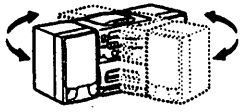
To	Press
Adjust the volume	VOLUME +/–
Turn on/off the radio	POWER

To improve broadcast reception

Reorient the antenna for FM. Reorient the player itself for AM.

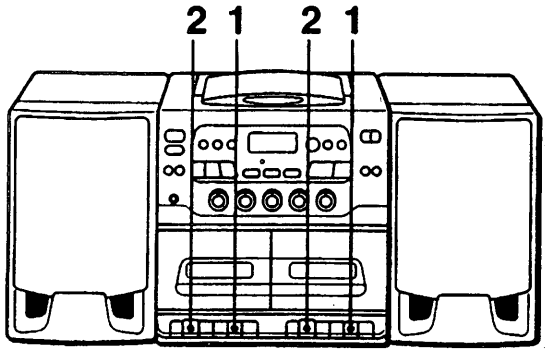


for FM



for AM

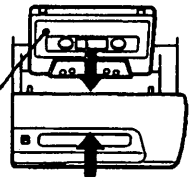
Playing a tape



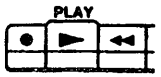
For hookup instructions, see pages 24 – 26.

1

Press ■⏏ to open the tape compartment and insert a recorded tape. Close the compartment.



2



Press ►.

The player turns on (direct power-on) and starts playing.

Display

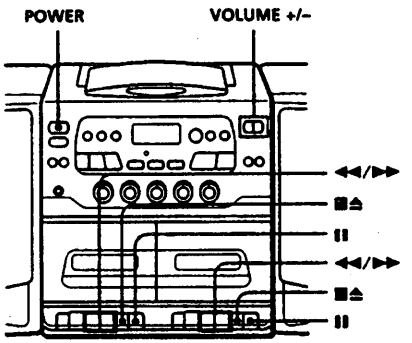
Note

During playback, do not press buttons on the other deck. Otherwise the playback speed may change.

Tips

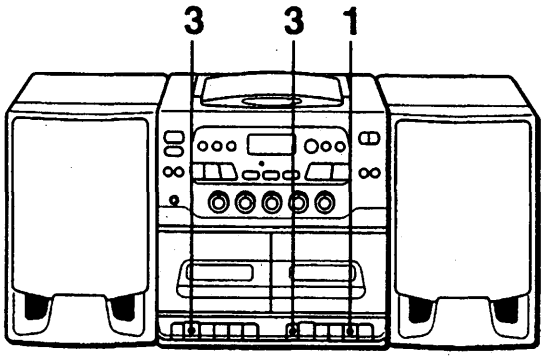
- Next time you want to listen to a tape, just press ►. The player turns on automatically and starts playing the tape.
- For the best results, use TYPE I (normal) tape.

Use these buttons for additional operations



To	Press
Adjust the volume	VOLUME +/–
Stop playback	■⏏
Fast-forward or rewind the tape	►► or ◄◄
Pause playback	II Press the button again to resume play after pause.
Eject the cassette	■⏏
Turn on/off the player	POWER

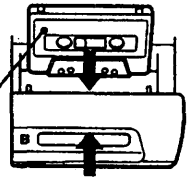
Recording on a tape



For hookup instructions, see pages 24 – 26.

1

Press ■⏏ to open the tape compartment on deck B and insert a blank tape.

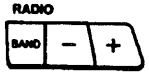


With the side you want to record on facing forward

2

Select the program source you want to record.

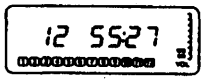
To record from the CD player, insert a CD (see page 4) and press ■ on the CD section.

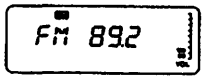


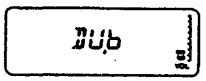
To record from the radio, press BAND and tune in the station you want (see page 6.)

To record from the tape, insert a recorded tape into deck A. Then press TAPE/DUBBING until "DUb" appears in the display window.

Display







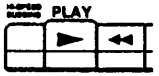
3 Deck B REC

Start recording.

To record from the CD player and the radio, press ● on deck B (► is depressed automatically).

Deck B REC

Deck A PLAY

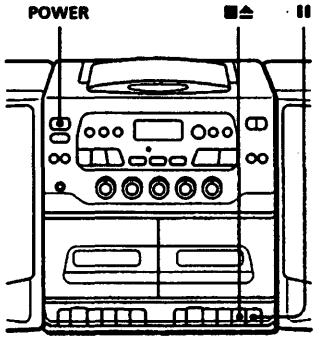


To record from the tape, press ● on deck B (► is depressed automatically), and then press ► on deck A. (For high speed dubbing, press HI-SPEED DUBBING instead.)

Tips

- Adjusting the volume or the audio emphasis (see page 27) will not affect the recording level.
- If the AM program makes a whistling sound after you've pressed ● in step 3, set the ISS (Interference Suppress Switch) at the rear to the position that most decreases the noise. Normally set the switch to "2".
- For the best results, use the AC power as a power source and use TYPE I(normal) tape for recording.
- To erase a recording, proceed as follows:
  1 Disconnect the microphone if connected to the MIX MIC jack.
  2 Press TAPE until "TAPE" appears in the display window.
  3 Press ●.

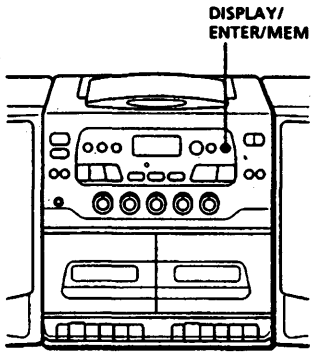
Use these buttons for additional operations



To	Press
Stop recording	■⏏ on deck B
Pause recording	II on deck B Press the button again to resume recording.
Turn on/off the player	POWER

Using the display

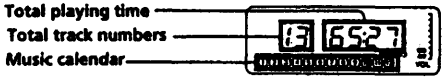
You can check information about the CD using the display.



Checking the total track numbers and playing time

Press DISPLAY/ENTER/MEM in stop mode.

If the CD has more than 12 tracks, "OVER 12" appears in the display.



Checking the remaining time

Press DISPLAY/ENTER/MEM while playing a CD.

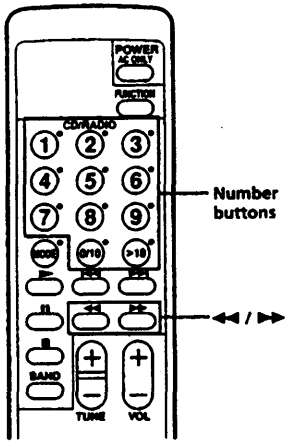
The track numbers in the music calendar disappear after they are played.

To display	Press DISPLAY/ENTER/MEM
The current track number and the remaining time on the current track*	Once
Remaining time on the CD and the number of tracks left	Twice
The current track number and playing time	Three times

* For a track whose number is more than 20 the remaining time appears as "– –:– –".

Locating a specific track

You can quickly locate any track using the number buttons. You can also find a specific point in a track while playing a CD.



Note

You cannot locate a specific track if "SHUF REP" or "PGM" is lit in the display. Turn off the indication by pressing ■.

Tip

When you locate a track numbered over 10, press >10 first, then the corresponding number buttons.

Example:

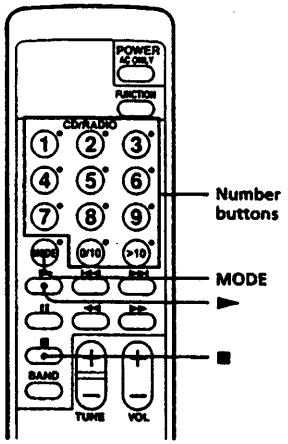
To play track number 23, press >10 first, then 2 and 3.

To locate	Press
a specific track directly	number button of the track.
a point while listening to the sound	▶▶ (forward) or ◀◀ (backward) while playing and hold down until you find the point. When you use the buttons on the player, use AMS/ SEARCH ⏮/⏭.
a point while observing the display	▶▶ (forward) or ◀◀ (backward) in pause and hold down until you find the point. When you use the buttons on the player, use AMS/ SEARCH ⏮/⏭.

Playing tracks repeatedly

(Repeat Play)

You can play tracks repeatedly in normal, shuffle or program play modes (see pages 15 and 16).



1 Press ■.

"CD" appears in the display.

2 Press MODE until the repeat mode you want appears in the display.

To repeat	Select
a single track	REP 1
all the tracks	REP ALL
tracks in random order	SHUF REP
programed tracks	PGM REP and then progam tracks (see step 3 on page 15).

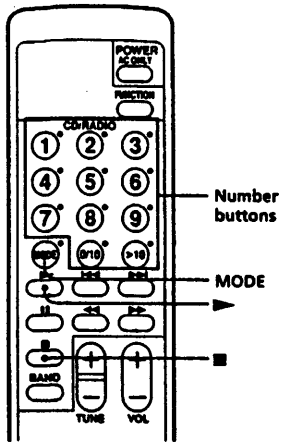
3 Do either of the following to start repeat play:

- **When you've selected REP1,** select the track by pressing the number button.
- **When you've selected REP ALL, SHUF REP or PGM REP,** press ►.

Creating your own program

(Program Play)

You can make a program of up to 20 tracks in the order you want them to be played.



Tips

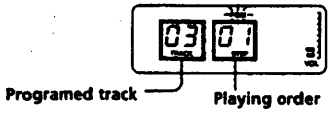
- You can select the track on the player. Press AMS/SEARCH ⏮ / ⏭ then press DISPLAY/ENTER/ MEM instead of the number buttons.
- You can play the same program again, since the program is saved until you open the disc compartment.
- You can record your own program. After you've created the program, insert a blank tape into deck B and press ● on deck B to start recording.

1 Press ■.

"CD" appears in the display.

2 Press MODE until "PGM" appears in the display.

3 Press the number buttons for the tracks you want to program in the order you want. You can program up to 20 tracks.



4 Press ► to start program play.

continued

To cancel Program Play

Press MODE until no indication appears in the display.

To check the order of tracks before play

Press DISPLAY/ENTER/MEM on the player.

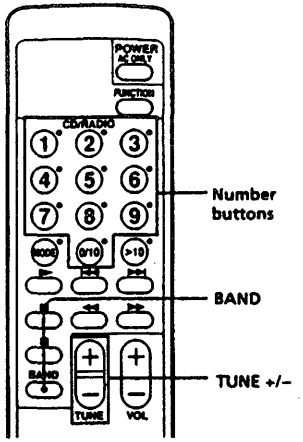
Every time you press the button, the track number appears in the programed order.

To change the current program

Press ■ once if the CD is stopped and twice if the CD is playing. The current program will be erased. Then create a new program following the programing procedure.

Presetting radio stations

You can store radio stations into the player's memory. You can preset up to 20 radio stations, 10 for each FM or AM in any order.



Tip

To preset radio stations on the player, proceed as follows:

1 Select the band and tune in a station you want.
2 Hold down DISPLAY/ENTER/MEM for about 2 seconds.
A preset number flashes in the music calendar.
3 Decide on a preset number for the station (1 to 10) by pressing PRESET +/–.
4 Press DISPLAY/ENTER/MEM.

1 Press BAND until the band you want appears in the display.

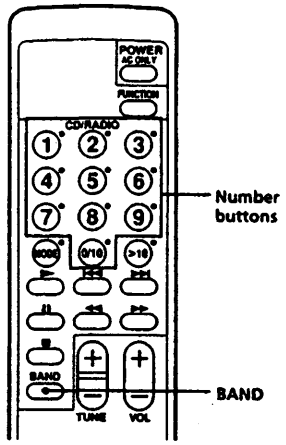
2 Tune in a station you want.

3 Hold down the number buttons that you want to preset the new station for about 2 seconds.

The new station replaces the old one.

Playing preset radio stations

Once you've preset the stations, use the number buttons to tune in your favorite stations.



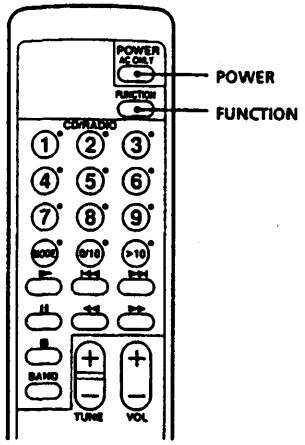
Tip

You can tune in a preset station with the player. Use PRESET +/– instead of the number buttons.

1 Press BAND to select the band.
2 Press the number buttons to tune in a stored station.

Recording through a microphone/Using as a PA system

You can record sound using a microphone (not supplied) or use the player as a public address (PA) system.



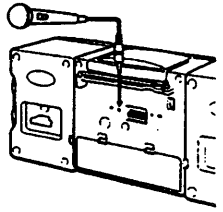
Tip

- You can mix CD or radio sounds and record them by adding your voice or other audio through the microphone.

Notes

- Acoustic feedback (howling) tends to occur when you use a microphone with echo function.
- If acoustic feedback (howling) occurs, turn down the volume or move the microphone away from the speaker.

Recording through a microphone



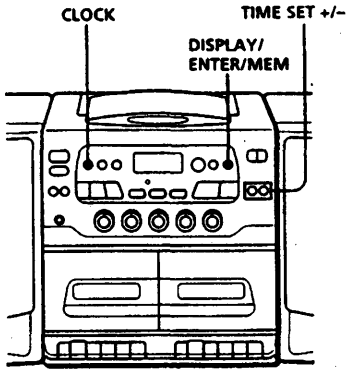
1 Plug the microphone into the MIX MIC jack and turn on the microphone if it has a power switch.
2 Turn on the power.
3 Press FUNCTION until "TAPE" appears in the display.
4 Insert a cassette for recording into deck B and press ● to start recording.

Using as a PA system

1 Do steps 1 and 2 above.
2 Sing or speak into the microphone and adjust the volume.

Setting the clock

Before you set the clock, insert four size AA (R6) batteries and connect the AC power cord (see page 24 and 25.)
As long as the clock goes, ":" flashes.



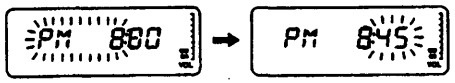
Tip

The time display system of this player is the 12-hour system:
AM12:00 = midnight
PM12:00 = noon

1 Press and hold CLOCK for about two seconds until "AM" or "PM" and the hour digit flash.

2 Press TIME SET +/– until you set the current hour. Then press DISPLAY/ENTER/MEM.

The minute digits flash. Set the minutes by pressing TIMER SET +/– until the current minute is displayed.

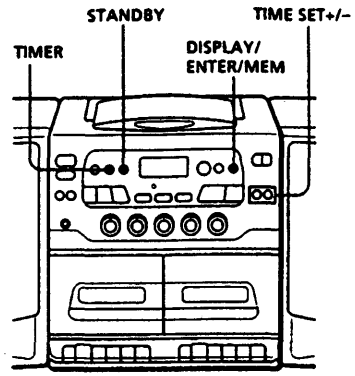


3 Press DISPLAY/ENTER/MEM.

The clock starts from 00 seconds.

Waking up to music

You can wake up to music at a preset time. Make sure you have set the clock ("Setting the clock" on page 20).



1 Prepare the music source you want to play.

To play	Do this
the radio	Tune in a station
a CD	Insert a CD.

2 Press TIMER.

The ⏲ (clock) and the music source ("CD" or "RADIO") flash.

3 Select the music source ("CD" or "RADIO") by pressing TIME SET +/–, then DISPLAY/ENTER/MEM.

4 Set the timer to the hour you want the music to start by pressing TIME SET +/– then DISPLAY/ENTER/MEM. Set the minutes, then press DISPLAY/ENTER/MEM.

5 Set the timer to the hour you want the music to go off by pressing TIME SET +/– then DISPLAY/ENTER/MEM. Set the minutes, then press DISPLAY/ENTER/MEM.

continued

Waking up to music (continued)

Tips

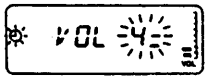
- The display window dims while the waking up timer is on.
- You can have the player go on the next day at the same time. Just press STANDBY until the ⏲ indication appears in the display. The preset settings remain until you reset them.

Note

The timer mode is canceled:

- when you press TAPE or ►PLAY while music plays in the timer mode.
- when you select "TAPE" using FUNCTION on the remote.

6 Press TIME SET +/– to set the volume, then DISPLAY/ENTER/MEM.



7 Press STANDBY.

The ⏲ indication lights up and the power goes off.

At the preset time, the power will go on and music will play.

To check/change when the playback will start

Press TIMER, then DISPLAY/ENTER/MEM. Each time you press DISPLAY/ENTER/MEM, a stored setting lights up. Change the setting if you need to when the setting lights up. when you finish checking, press TIMER again.

To use the player before a timer playback starts

Just turn on the player, and then you can use it.

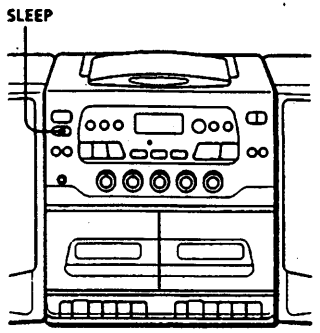
If you turn off the player before the preset time, timer playback will start at the preset time.

In case of the radio, however, if you listen to the station which is different from the one you tuned in in step 1 on page 21, you will hear that station at the preset time. Make sure to tune in the station you want to listen to before you turn off the player.

To stop play

Press POWER.

Falling asleep to music



You can set the player to turn off automatically after about 2 hours, allowing you to fall asleep while listening to music.

Tip

The display window dims while the sleep timer is on.

1 Play the music source you want.

2 Press SLEEP.

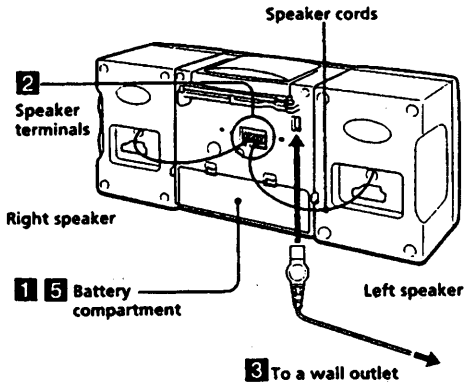
"SLEEP" appears in the display. The player shuts off automatically after about 2 hours.

To cancel the sleep function

Press SLEEP again to turn off the power.

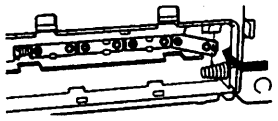
Hooking up the system

Make sure you turn off the power before making any connections.



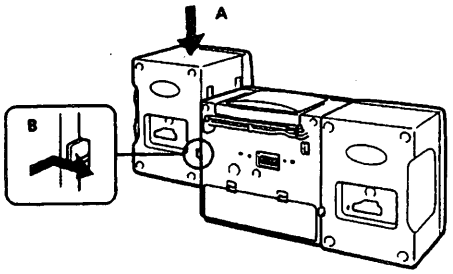
1 Inserting the back-up batteries

Insert four size AA (R6) batteries (not supplied) into the battery compartment. These batteries work to save the memory data.



2 Hooking up the speakers

1 Align the grooves and slide the speaker box down until it snaps into place A.



Tips

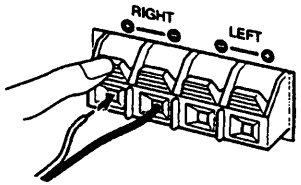
- To detach the speakers, unlock speaker (see B on the diagram) and slide the speaker box all the way up and away from the player.
- Connect the speakers for this unit only to the speaker terminals of this unit. If you connect any other speakers or equipment, malfunction may occur.

Notes

- When you operate the player with the batteries, you cannot turn on the player using the remote.
- When you operate the player with batteries, the backlight does not work even if the player is on.

2 Twist the speaker cable coating and strip it from the end of the cable.

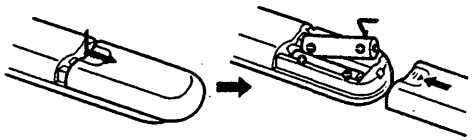
3 Connect the black wires to (–) minus and the red wires to (+) plus terminals; the right speaker wires to the R and the left speaker wires to the L terminals.



3 Connecting the AC power cord

Insert one end of the supplied AC power cord to the AC IN socket located at the rear of the player, and the other end to the wall outlet.

4 Inserting batteries into the remote



Insert two size AA (R6) batteries (not supplied)

Replacing batteries

With normal use, the batteries should last for about six months. When the remote no longer operates the player, replace all the batteries with new ones.

continued

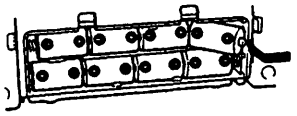
Tip

Replace the batteries when the OPR/BATT indicator dims or when the player stops operating. Replace all the batteries with new ones. Before you replace the batteries, be sure to take out the CD from the player.

5 Using the player on batteries

Insert eight size D (R20) batteries (not supplied) into the battery compartment.

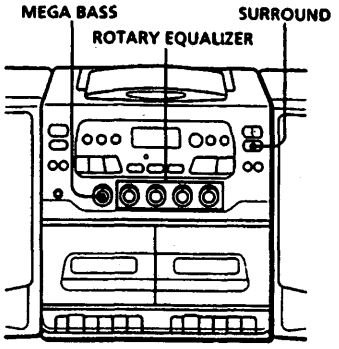
To use the player on batteries, disconnect the AC power cord from the player.



Adjusting the audio emphasis

(MEGA BASS/ROTARY EQUALIZER/SURROUND)

You can adjust the audio emphasis of the sound you are listening to.



CFD-567

Selecting the sound characteristic

Turn MEGA BASS/ROTARY EQUALIZER to select the audio emphasis you want.

Frequency coverage	Turn the control clockwise (to +10)	Turn the control counterclockwise (to –10)
MEGA BASS 100 Hz	to increase heavy bass sounds	to decrease heavy bass sounds
400 Hz	to emphasize speaking voice, middle frequencies of instrumental music	to de-emphasize speaking voice, middle frequencies of instrumental music
1 kHz	to provide more presence of vocals	to provide less presence of vocals
4 kHz	to heighten overall brightness of sound	to lessen overall brightness of sound
10 kHz	to increase high treble sounds	to decrease high treble sounds or reduce high frequency noise/tape hiss

continued

Getting the surround effect (CFD-567 only)

Press SURROUND.

The "SURROUND" indication appears in the display.

You can get the surround effect without connecting surround speakers.

Precautions

On safety

- As the laser beam used in the CD player section is harmful to the eyes, do not attempt to disassemble the casing. Refer servicing to qualified personnel only.
- Should any solid object or liquid fall into the player, unplug the player, and have it checked by qualified personnel before operating it any further.

On power sources

- For AC operation use the supplied AC power cord; do not use any other type.
- The player is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the player itself has been turned off.
- Unplug the player from the wall outlet when it is not to be used for an extended period of time.
- For battery operation, use eight size D (R20) batteries.
- When the batteries are not to be used, remove them to avoid damage that can be caused by battery leakage or corrosion.
- The nameplate indicating operating voltage, power consumption, etc. is located at the rear.

On placement

- Do not leave the player in a location near heat sources, or in a place subject to direct sunlight, excessive dust or mechanical shock.
- Do not place the player on an inclined or unstable place.
- Do not place anything within 10 mm of the side of the cabinet. The ventilation holes must be unobstructed for the player to operate properly and prolong the life of its components.
- If the player is left in a car parked in the sun, be sure to choose a location in the car where the player will not be subjected to the direct rays of the sun.
- Since a strong magnet is used for the speakers, keep personal credit cards using magnetic coding or spring-wound watches away from the player to prevent possible damage from the magnet.

On operation

- If the player is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the CD player section. Should this occur, the player will not operate properly. In this case, remove the CD and wait about an hour for the moisture to evaporate.
- If the player has not been used for a long time, set it in the playback mode to warm it up for a few minutes before inserting a cassette.

If you have any questions or problems concerning your player, please consult your nearest Sony dealer.

continued

Notes on CDs

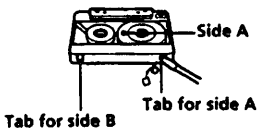
- Before playing, clean the CD with a cleaning cloth. Wipe the CD from the center out.

- Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.
- Do not expose the CD to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight as there can be a considerable rise in temperature inside the car.
- Do not stick paper or sticker on the CD, nor scratch the surface of the CD.
- After playing, store the CD in its case.

If there is a scratch, dirt or fingerprints on the CD, it may cause tracking error.

Notes on cassettes

- Break off the cassette tab from side A or B to prevent accidental recording. If you want to reuse the tape for recording, cover the broken tab with adhesive tape.



- To record on a tape with its tab broken off, cover the respective tab hole for side A or B with adhesive tape.
- The use of a cassette with more than 90 minutes of play time is not recommended except for long, continuous recording or playback.

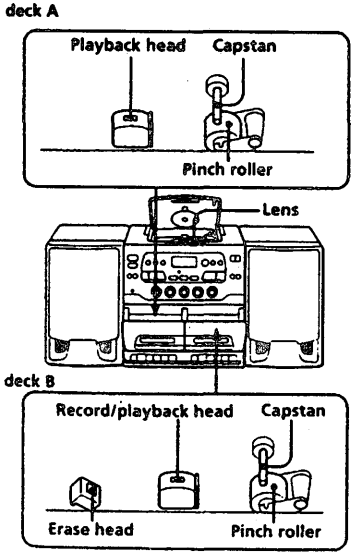
Maintenance

Cleaning the lens

If the lens becomes dirty, it may cause a skipping of sound during CD operation. Clean with a commercially available blower.

Cleaning the tape heads and tape path

Wipe the heads, the pinch rollers and the capstans with a cleaning swab slightly moistened with cleaning fluid or alcohol after every 10 hours of operation for optimum playback and recording quality. To make the best possible recording, however, we recommend that you clean all surfaces over which tape travels before each recording.



After cleaning, insert a tape when the areas cleaned are completely dry.

Demagnetizing the tape heads

After 20 to 30 hours of use, enough residual magnetism will have built up on the tape heads to begin to cause loss of high frequency sound and hiss. At this time, you should demagnetize the heads and all metal parts in the tape path with a commercially available tape head demagnetizer.

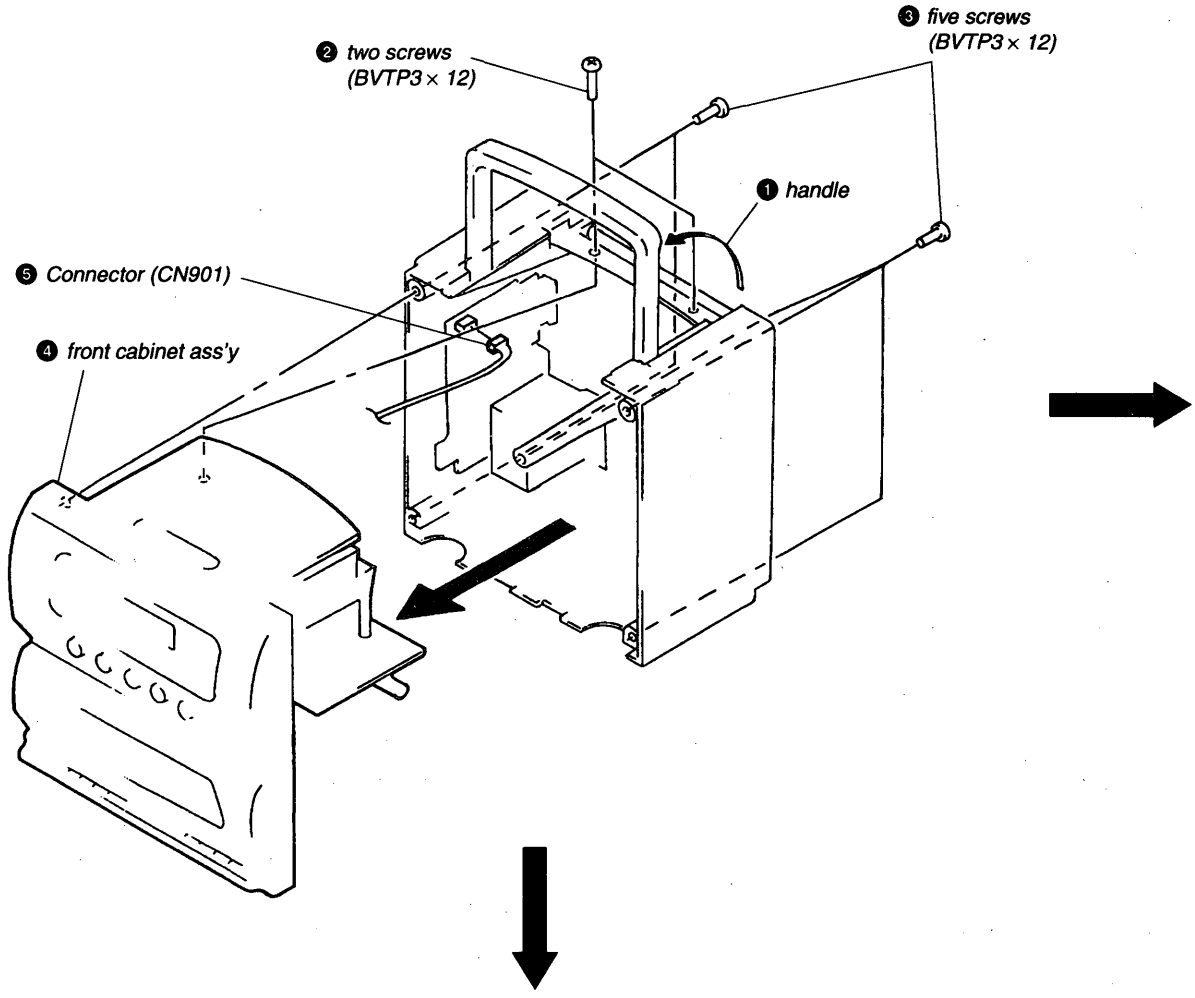
Cleaning the cabinet

Clean the cabinet, panel and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent, such as alcohol or benzine.

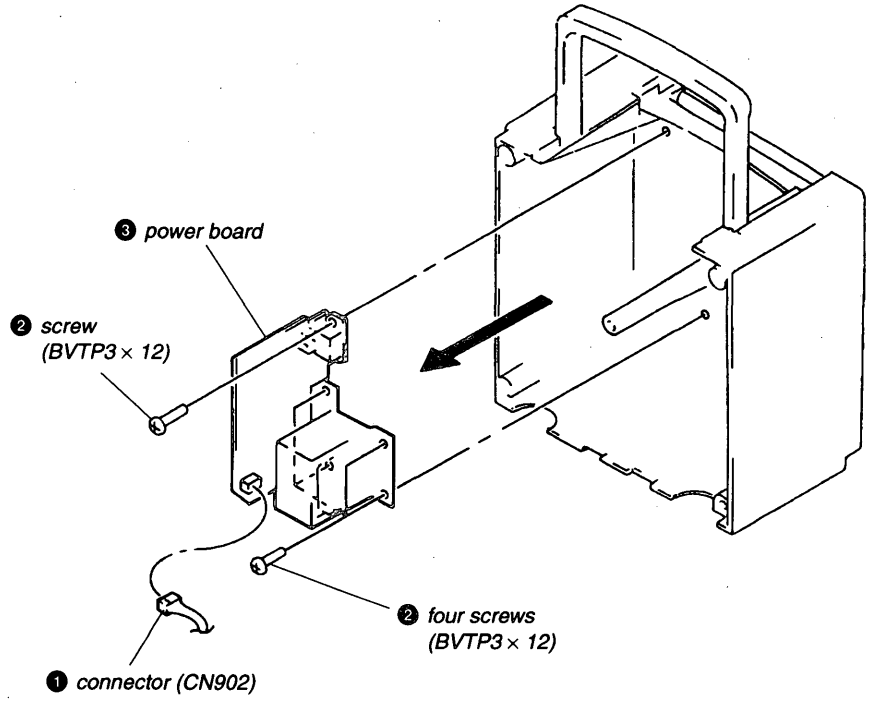
SECTION 3
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

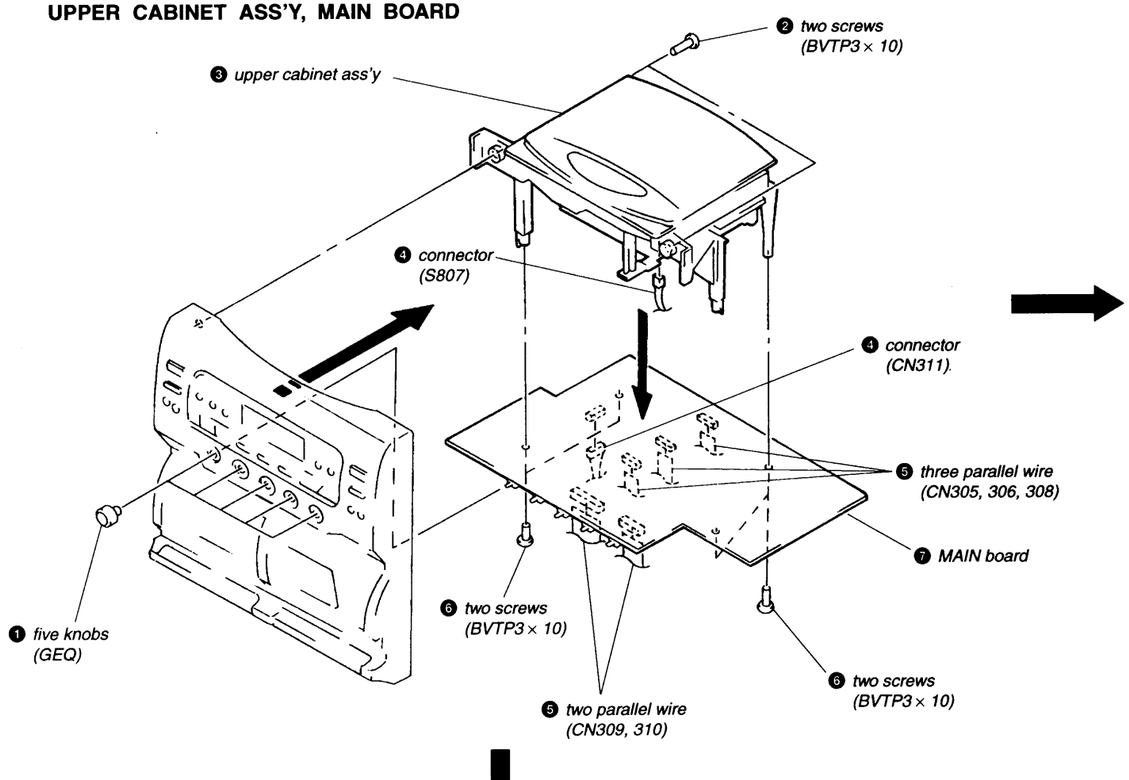
FRONT CABINET ASS'Y



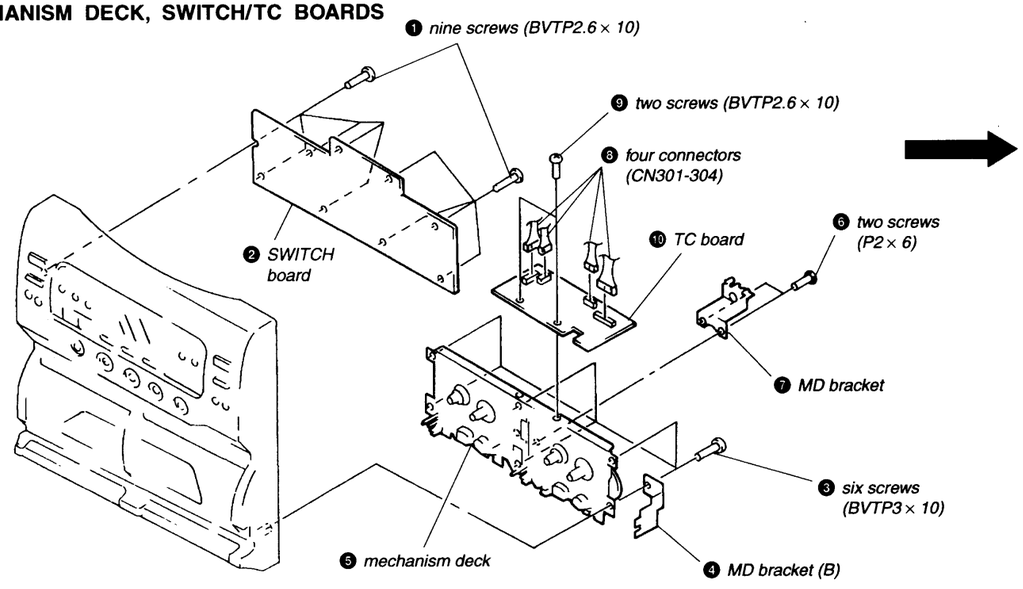
POWER BOARD



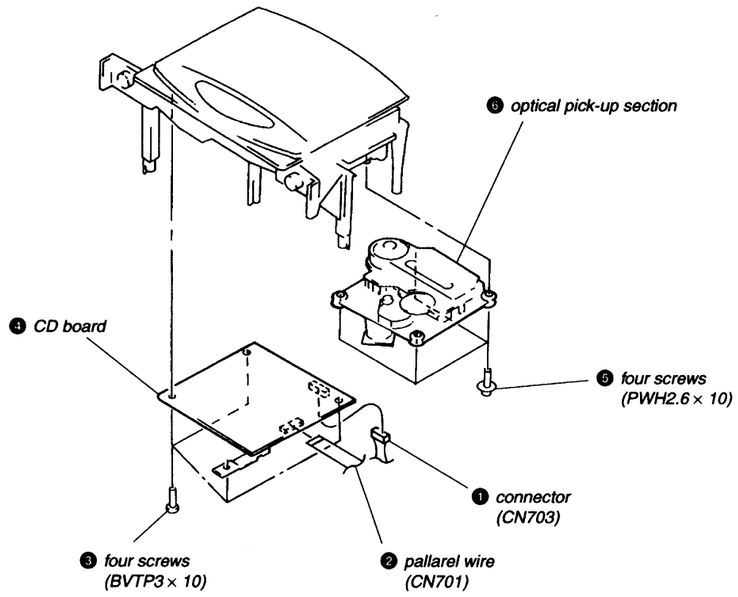
UPPER CABINET ASS'Y, MAIN BOARD


❷ two screws (BVTP3 × 10)
❸ upper cabinet ass'y
❹ connector (S807)
❹ connector (CN311)
❺ three parallel wire (CN305, 306, 308)
❼ MAIN board
❶ five knobs (GEQ)
❻ two screws (BVTP3 × 10)
❺ two parallel wire (CN309, 310)
❻ two screws (BVTP3 × 10)

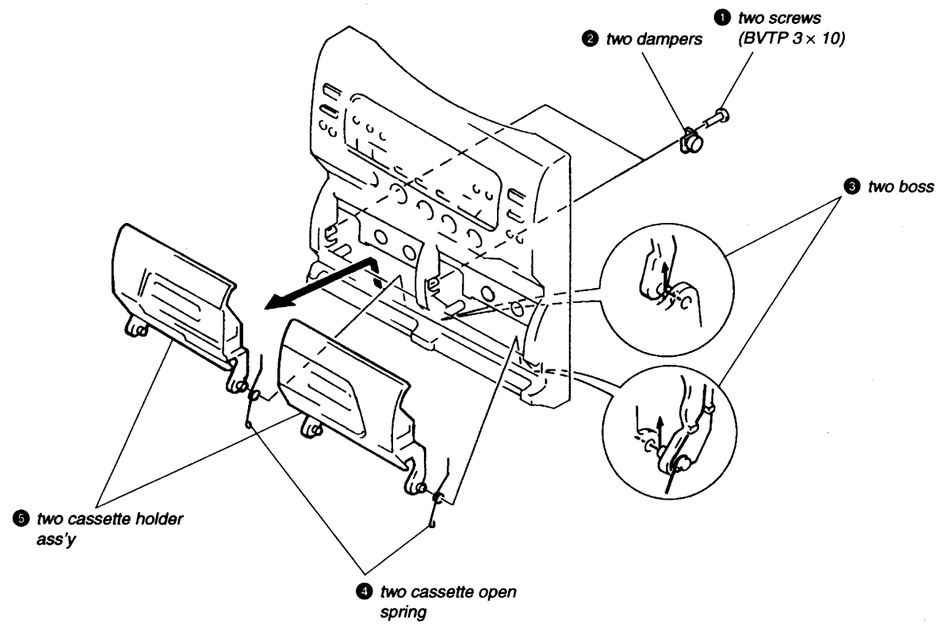
MECHANISM DECK, SWITCH/TC BOARDS


❶ nine screws (BVTP2.6 × 10)
❾ two screws (BVTP2.6 × 10)
❽ four connectors (CN301-304)
❷ SWITCH board
❿ TC board
❻ two screws (P2 × 6)
❼ MD bracket
❸ six screws (BVTP3 × 10)
❺ mechanism deck
❹ MD bracket (B)

CD BOARD, OPTICAL PICK-UP SECTION



CASSETTE HOLDER ASSY



SECTION 4
MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:

record/playback head	pinch roller
erase head	rubber belts
capstan	idlers

2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement DECK-A DECK-B

Mode	Torque Meter	Meter Reading
Playback	CQ-102C	30 - 70 g•cm (0.42 - 0.97 oz•inch)
Back tension	CQ-102C	1.5 - 5.5 g•cm (0.021 - 0.076 oz•inch)
Rewind	CQ-201B	50 - 130 g•cm (0.70 - 1.80 oz•inch)
Fast forward		

Tape Tension Measurement DECK-A DECK-B

Tension Meter	Meter Reading
CQ-403A	more than 100 g (3.53 oz)

SECTION 5
ELECTRICAL ADJUSTMENTS

TAPE DECK SECTION

1. The Adjustments should be performed in the order given in the service manual. (As general rule. playback circuit adjustment should be completed before performing recording circuit adjustment.)
2. The adjustments should be performed for both L-CH and R-CH unless otherwise indicated.

• Switch location
FUNCTION ..... TAPE (RADIO OFF)
ROTARY EQUALIZER ..... center click
BALANCE ..... center click
VOLUME ..... MAX

Standard input Level

	MIC
Source impedance	300 W
Input level	2.75 mV (–49 dB)

Standard Output Level

	SP OUT	HP OUT
Load impedance	3.2Ω	33Ω
Output level	0.775 V (0 dB)	0.25 V (–10 dB)

Test Tape

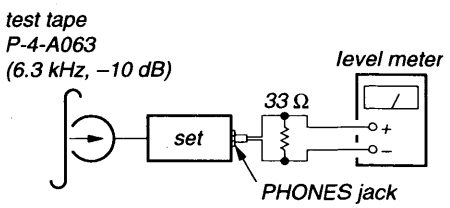
Type	Signal	Used for
WS-48B	3 kHz, 0 dB	Tape speed adjustment

0 dB=0.775 V

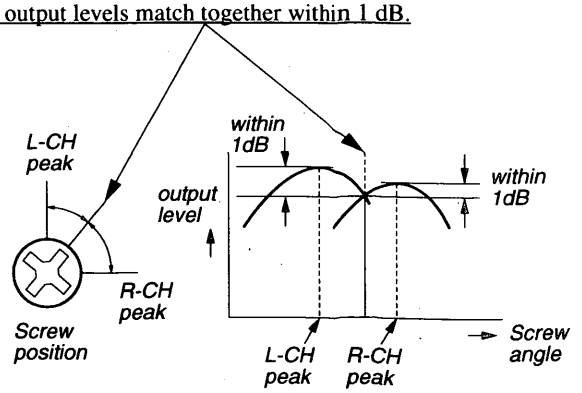
Record/Playback Head Azimuth Adjustment DECK-A DECK-B

Procedure:

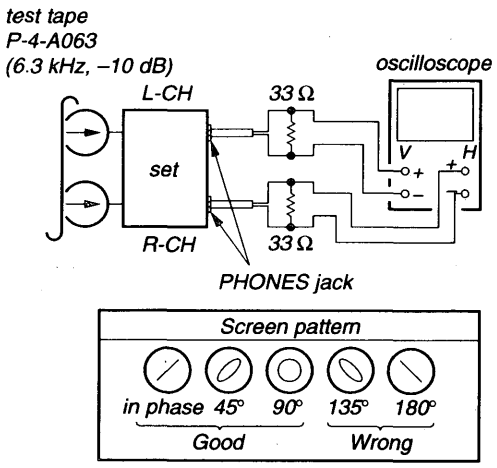
1. Mode: playback



2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 1 dB.

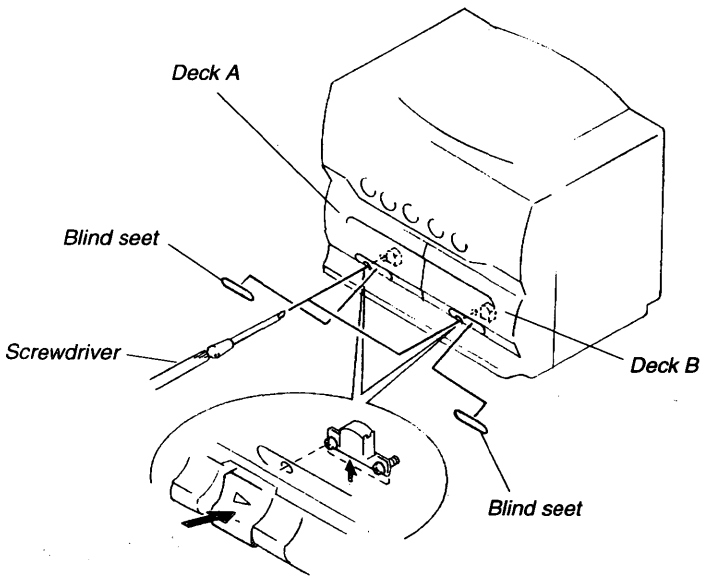


3. Phase Check
Mode: playback



4. After the adjustment, lock the screws with locking compound.

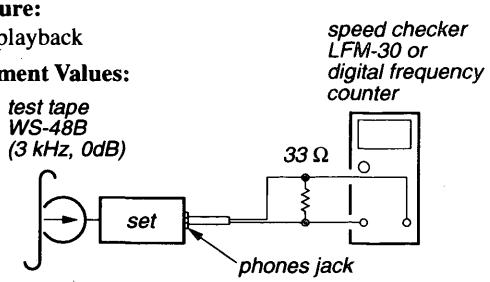
Adjustment Location:



Tape Speed Adjustment

Procedure:
Mode: playback

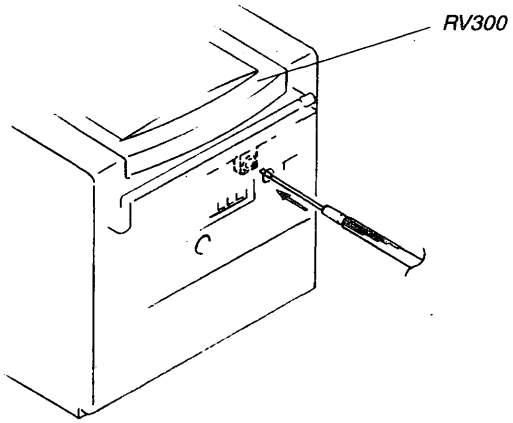
Adjustment Values:



Speed checker	Digital frequency counter
–1% to +1%	2,970 to 3,030 Hz

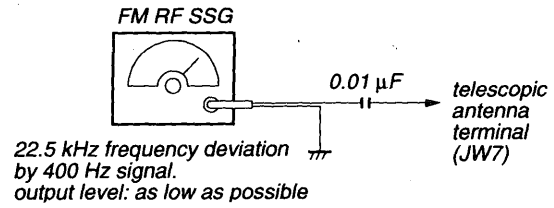
Frequency difference between the beginning and the end of the tape should be within 1% (30 Hz).

Adjustment Location:

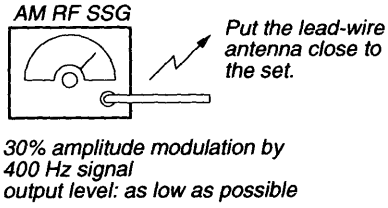


TUNER SECTION

[FM]


FM RF SSG
0.01 μF
telescopic antenna terminal (JW7)
22.5 kHz frequency deviation by 400 Hz signal.
output level: as low as possible

[AM]


AM RF SSG
Put the lead-wire antenna close to the set.
30% amplitude modulation by 400 Hz signal
output level: as low as possible

- Switch location
  FUNCTION ..... RADIO
  BALANCE ..... center click
  ROTARY EQUALIZER ..... center click
  VOLUME ..... MAX
- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

FM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
(check)	87.5 MHz
L2	108 MHz

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L1	87.5 MHz
CT1	108.5 MHz

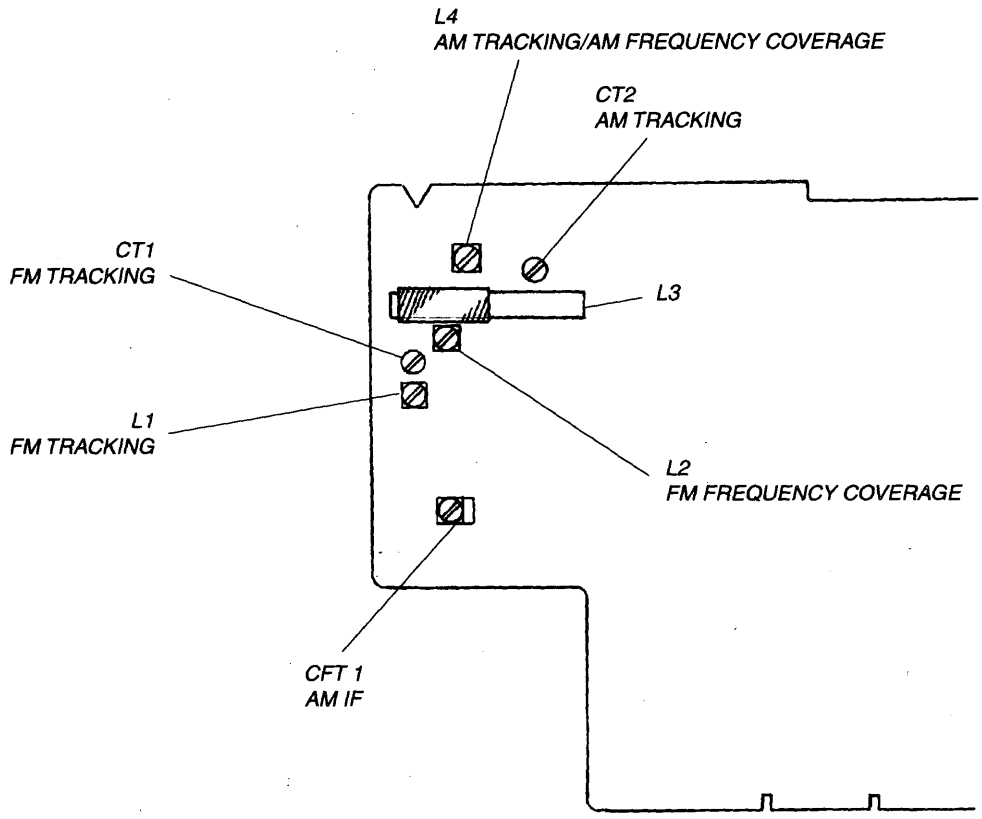
AM IF ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
CFT1	455 kHz

AM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
(check)	530 kHz
L4	1710 kHz

AM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L4	620 kHz
CT2	1400 kHz

Adjustment Location:

[MAIN BOARD] (Component Side)



CD SECTION

Notes on Adjustment

1. Perform adjustment in test mode.
   After adjustments, be sure to release test mode.
2. Perform adjustments in the order given.
3. Use the disc (YEDS-18. Part No. 3-702-101-01) only when so indicated.

Before Adjustment

Put the set into test mode and perform the following checks. Repair if there are any problems.

• Sled Motor Check

1. Press ▶II button, then press ■ button.
2. Press ▶▶I, I◀◀ buttons and confirm that the optical pick-up moves smoothly from the innermost to outermost circumference and back smoothly and with no catching or abnormal noises.
   ▶▶I : Optical pick-up moves to the outer circumference
   I◀◀ : Optical pick-up moves to the inner circumference

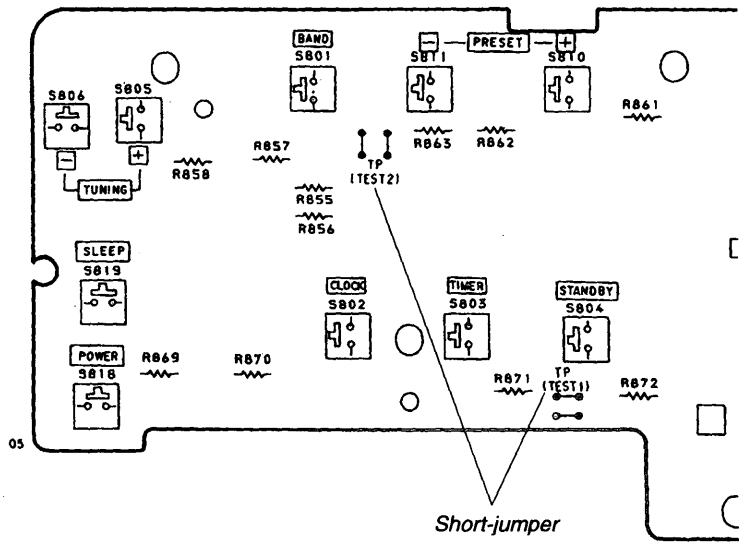
• Focus Search Check

1. Press ▶II button. (Focus search operation is performed continuously.)
2. Look at the optical pick-up objective lens and confirm that it moves up and down smoothly, when no catching or abnormal noises.
3. Press ■ button.
   Confirm that focus search operation stops. If it does not , press ■ button again longer.

How to Put the Set into Test Mode

1. Short-jumper following portion on the SWITCH board.
2. Turn the FUNCTION selector to CD position.

[SWITCH BOARD] (Conductor Side)



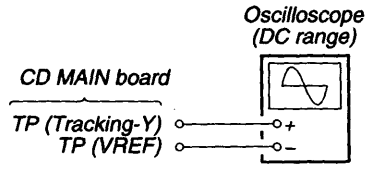
How to Release the Test Mode

1. Open the short-circuit to release test mode.

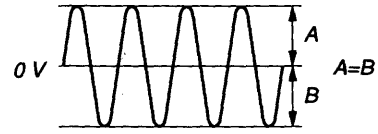
E-F Balance Adjustment

This adjustment is to be done when the optical pick-up block is replaced.

Procedure:



1. Put the set into test mode.
2. Connect oscilloscope between TP (TRACKING-Y) and TP (VREF).
3. Press ▶▶I and I◀◀ buttons to move the optical pick-up to the center.
4. Insert disc (YEDS-18) in and press ▶II button.
5. Adjust RV703 so that the oscilloscope traverse waveform is symmetrical, as shown in the figure below.
6. Release test mode after adjustment is completed.



VOLT/DIV: 0.2 V
TIME/DIV: 1ms

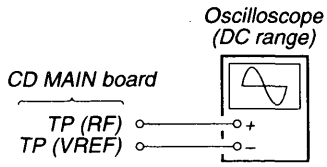
Adjustment value: 0.5 ± 0.2 Vp-p (A + B)

Adjustment Location: CD MAIN board (See page 27.)

Focus Bias Adjustment

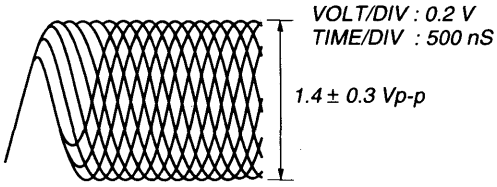
This adjustment is to be done when the optical pick-up block is replaced.

Procedure:



1. Put the set into test mode.
2. Connect oscilloscope between TP (RF) and TP (VREF).
3. Press ▶▶I and I◀◀ buttons to move the optical pick-up to the center. (Move the optical pick-up to the music area on the disc to enable easy visibility of the eye pattern.)
4. Insert disc (YEDS-18) in and press ▶II button.
5. Press the ▶II button. (Tracking Servo ON)
6. Adjust RV701 so that the oscilloscope waveform is as shown in the figure below. (eye pattern)
   A good eye pattern means that the diamond shape (◇) in the center of the waveform can be clearly distinguished.
7. Release test mode after adjustment is completed.

• RF signal reference waveform (eye pattern)



When observing the eye pattern, set the oscilloscope for AC range and raise vertical sensitivity.

Adjustment Location: CD MAIN board (See page 27.)

REFERENCE

Focus/Tracking Gain Adjustment

A frequency response analyzer is necessary in order to perform this adjustment exactly.
However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perform this adjustment.
Focus/tracking gain determines the pick-up follow-up (vertical and horizontal) relative to mechanical noise and mechanical shock when the 2-axis device operate.
However, as these reciprocate, the adjustment is at the point where both are satisfied.

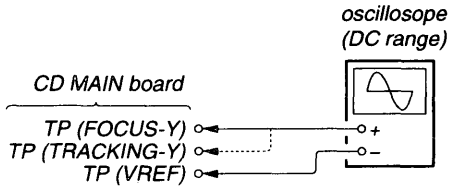
- When gain is raised, the noise when the 2-axis device operates increases.
- When gain is lowered, mechanical shock and skipping occurs more easily.
- When gain adjustment is off, the symptoms below appear.

Gain / Symptoms	Focus	Tracking
• The time until music starts becomes longer for ■→▶II on automatic selection. (I◀◀, ▶▶I buttons pressed.) (Normally takes about 2 seconds.)	low	low or high
• Music does not start and disc continues to rotate for ■→▶II or automatic selection. (I◀◀, ▶▶I buttons pressed.)	–	low
• Sound is interrupted during PLAY. Or time counter display stops progressing.	–	low
• More noise during 2-axis device operation.	high	high

The following is a simple adjustment method.

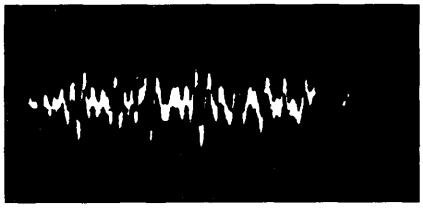
– Simple Adjustment –

Note: Since exact adjustment cannot be performed, remember the positions of the controls before performing the adjustment. If the positions after the primary adjustment are only a little different, return the controls to the original position.



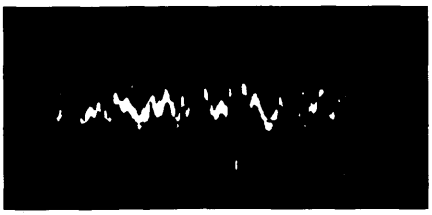
Procedure:

1. Keep the set horizontal.
   If the set is not horizontal, this adjustment cannot be performed due to the gravity against the 2-axis device.
2. Put the set into test mode.
3. Connect oscilloscope to TP (FOCUS-Y) and TP (VREF).
4. Insert disc (YEDS-18) in and press ▶II button.
5. Press the ▶II button. (Tracking Servo ON)
6. Adjust RV702 so that the waveform is as shown in the figure below. (Focus gain adjustment)

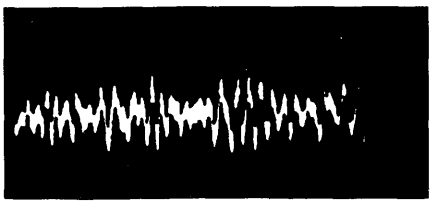


- Inconnect Examples (DC level changes more than on adjusted waveform)

low focus gain



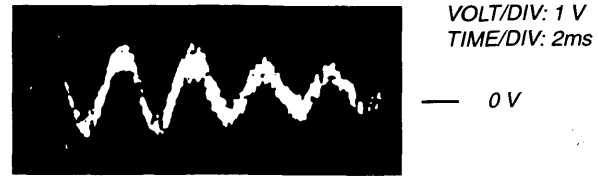
high focus gain



7. Connect oscilloscope to TP (TRACKING-Y) and TP (VREF).
8. Adjust RV704 so that the waveform is as shown in the figure below. (tracking gain adjustment)
9. Release test mode after adjustment is completed.

- Incorrect Examples (fundamental wave appears)

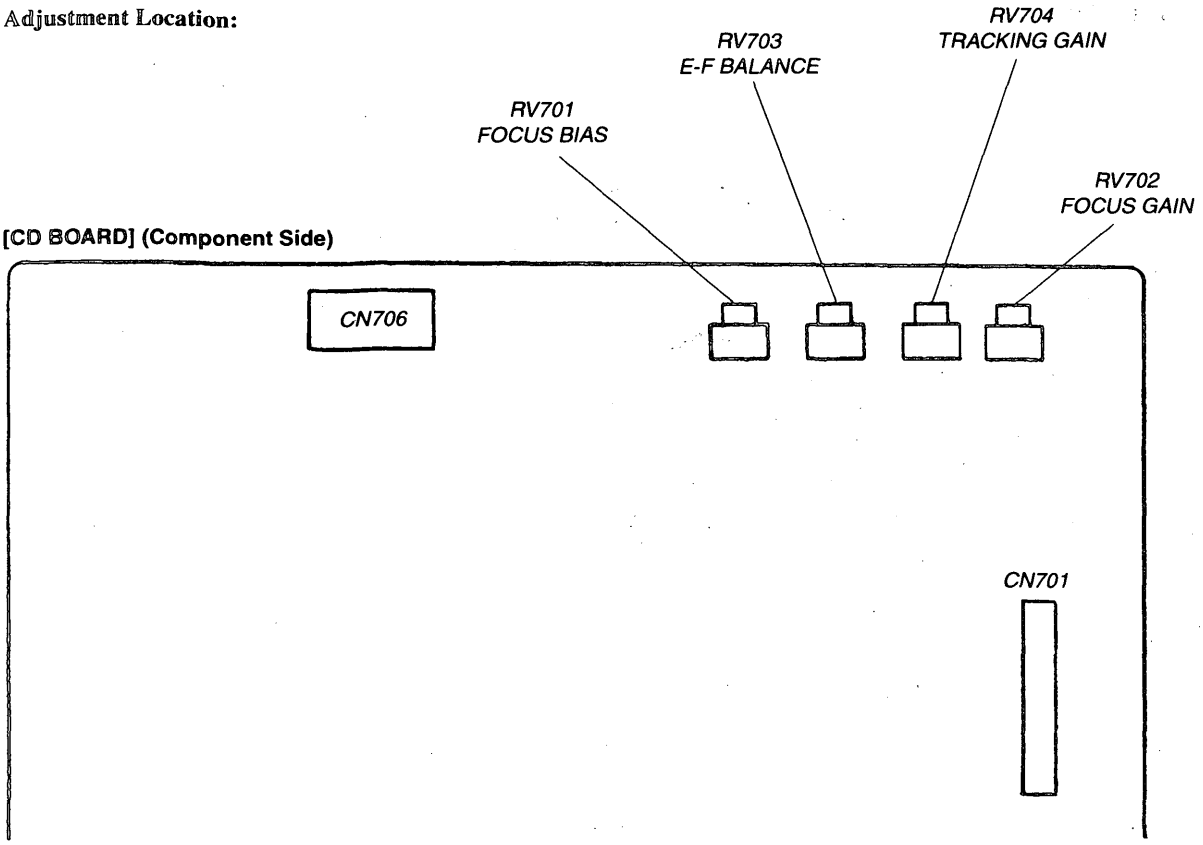
low tracking gain



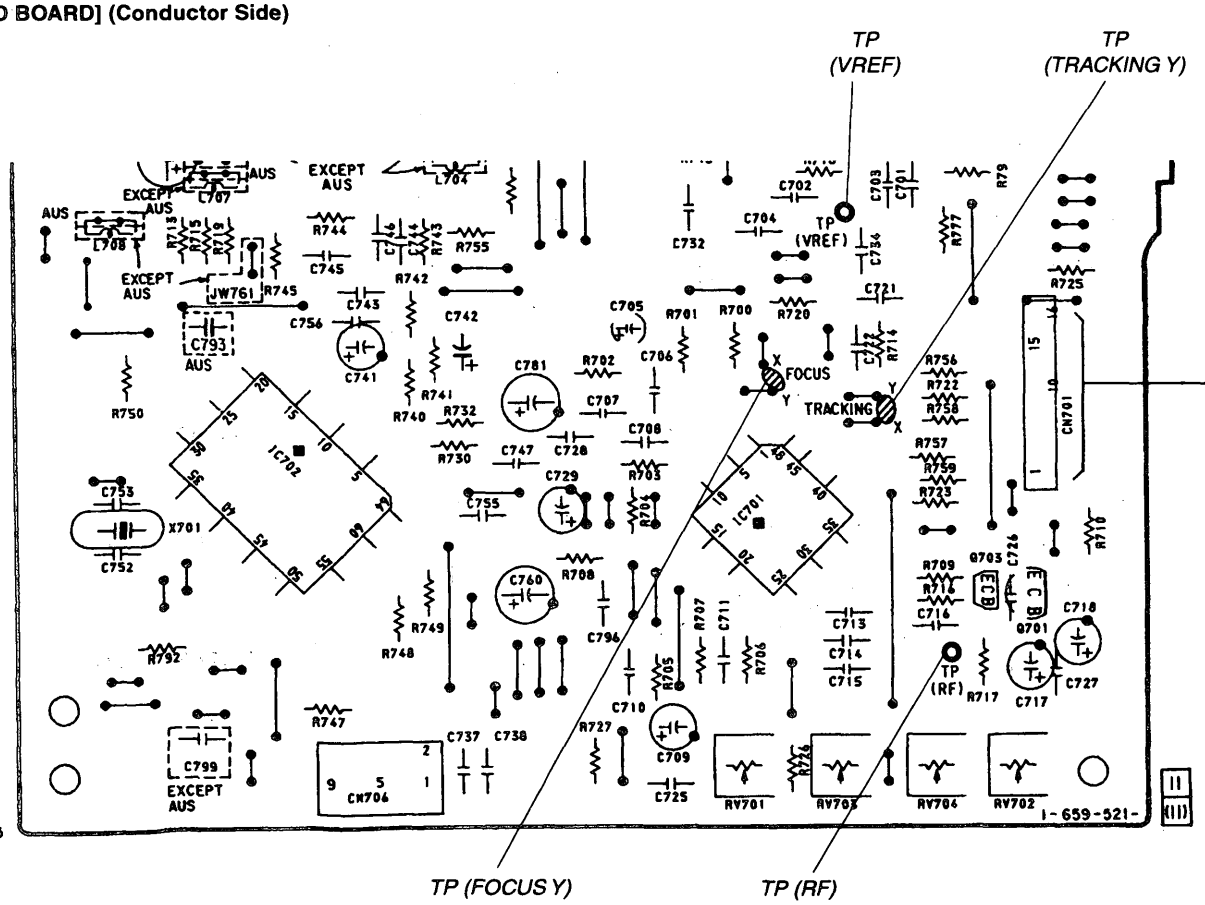
high tracking gain
(high fandamental wave than for low gain)

Adjustment Location:

[CD BOARD] (Component Side)

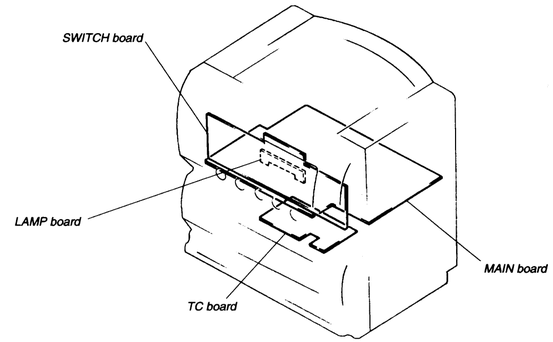


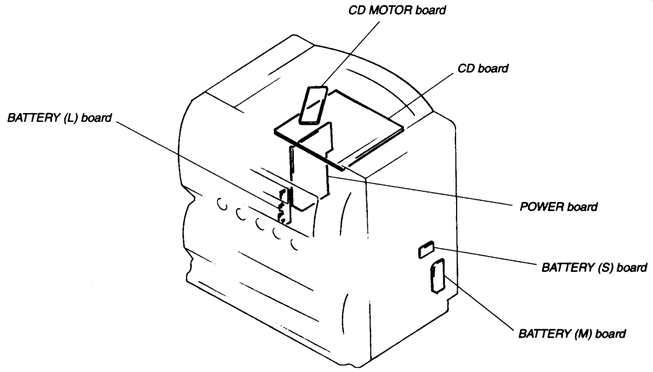
[CD BOARD] (Conductor Side)



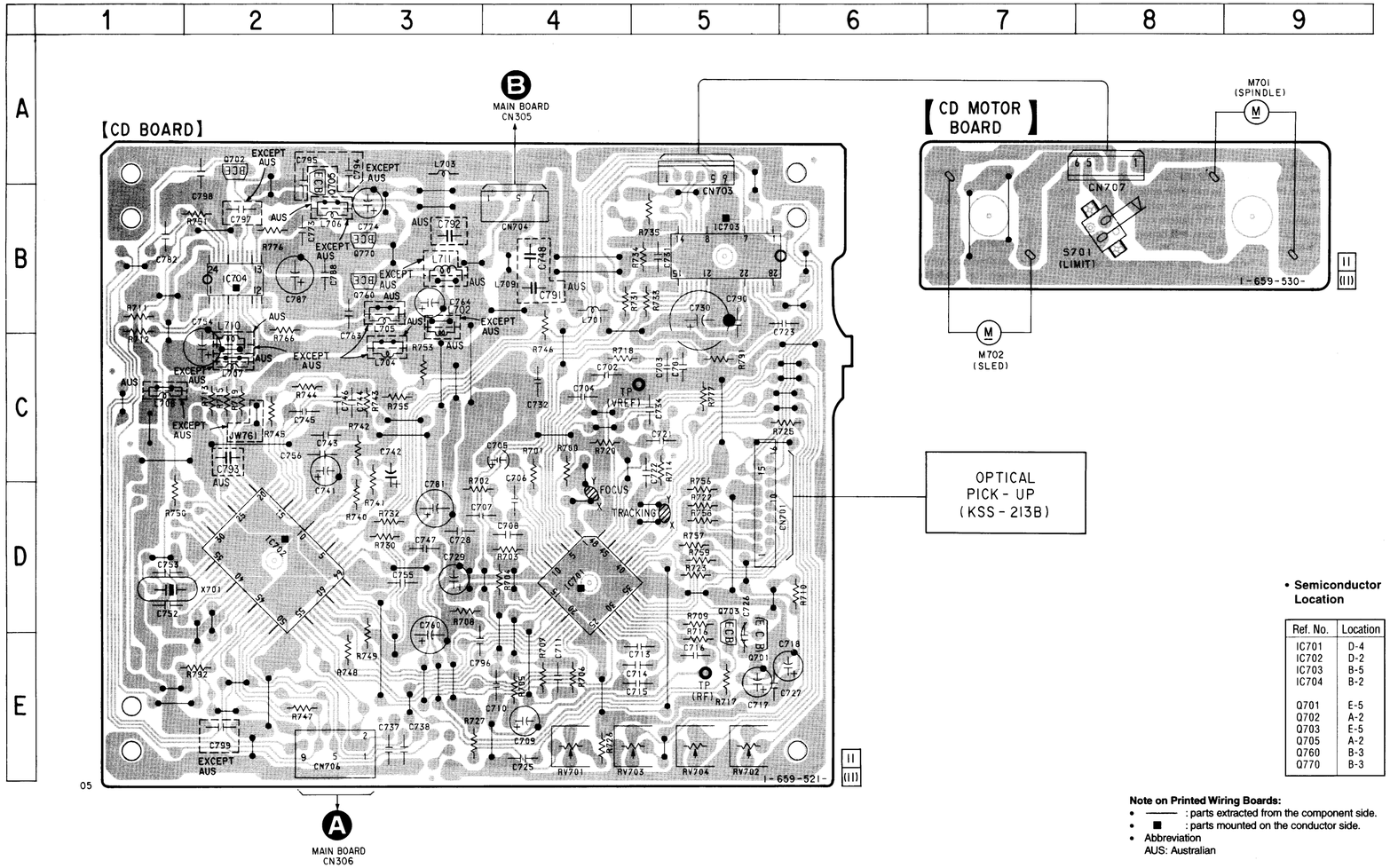
SECTION 6
DIAGRAM

• **Circuit Boards Location**





6-1. PRINTED WIRING BOARDS – CD Section –



• **Semiconductor Location**

Ref. No.	Location
IC701	D-4
IC702	D-2
IC703	B-5
IC704	B-2
Q701	E-5
Q702	A-2
Q703	E-5
Q705	A-2
Q760	B-3
Q770	B-3

Note on Printed Wiring Boards:
- ——— : parts extracted from the component side.
- ■ : parts mounted on the conductor side.
- Abbreviation
  AUS: Australian

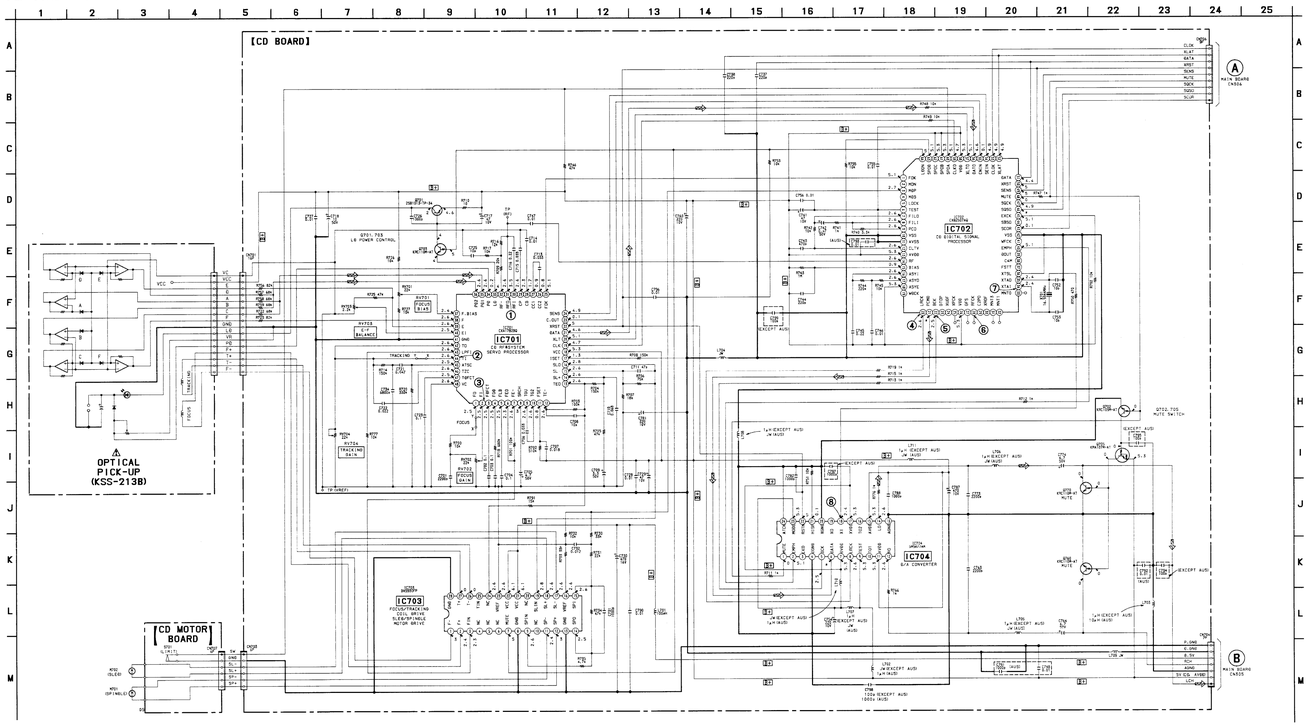
6-2. SCHEMATIC DIAGRAM – CD Section –

Note on Schematic Diagram:

- All capacitors are in µF unless otherwise noted. pF: µµF
  50 WV or less are not indicated except for electrolytics and tantaums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. ne les remplacer que par une pièce portant le numéro spécifié.

- B+ : B+ Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark : CD
  * : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  : CD
- Abbreviation
  AUS: Australian



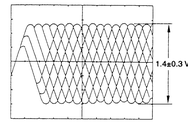
– 31 –

– 32 –

– 33 –

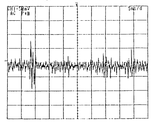
• Waveforms

❶ IC701 ⑨

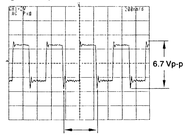


Note: This waveform is measured between RFO and VC.

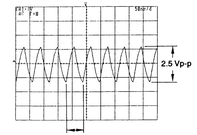
❷ IC701 ② *Approx. 50 mVp-p*



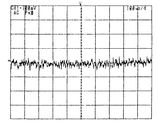
❸ IC702 ㊽



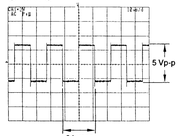
❹ IC702 ㊾



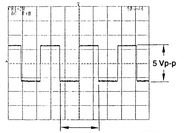
❺ IC701 ⑭ *Approx. 50 mVp-p*



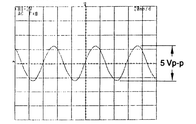
❻ IC702 ㊿



❼ IC702 ㊽

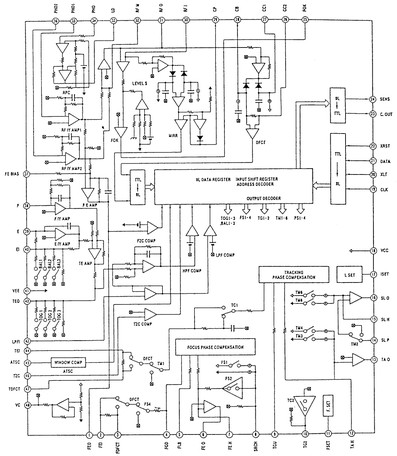


❽ IC704 ⑯

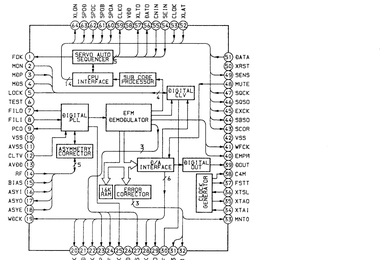


• IC Block Diagrams

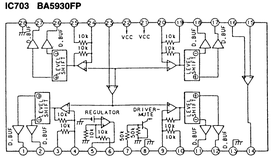
IC701 CXA1782BQ



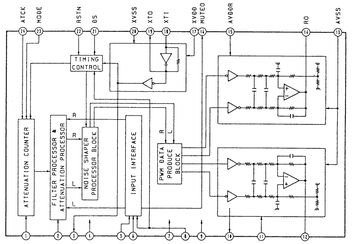
IC702 CXD2507AQ



IC703 BA5930FP



IC704 SM5877AM

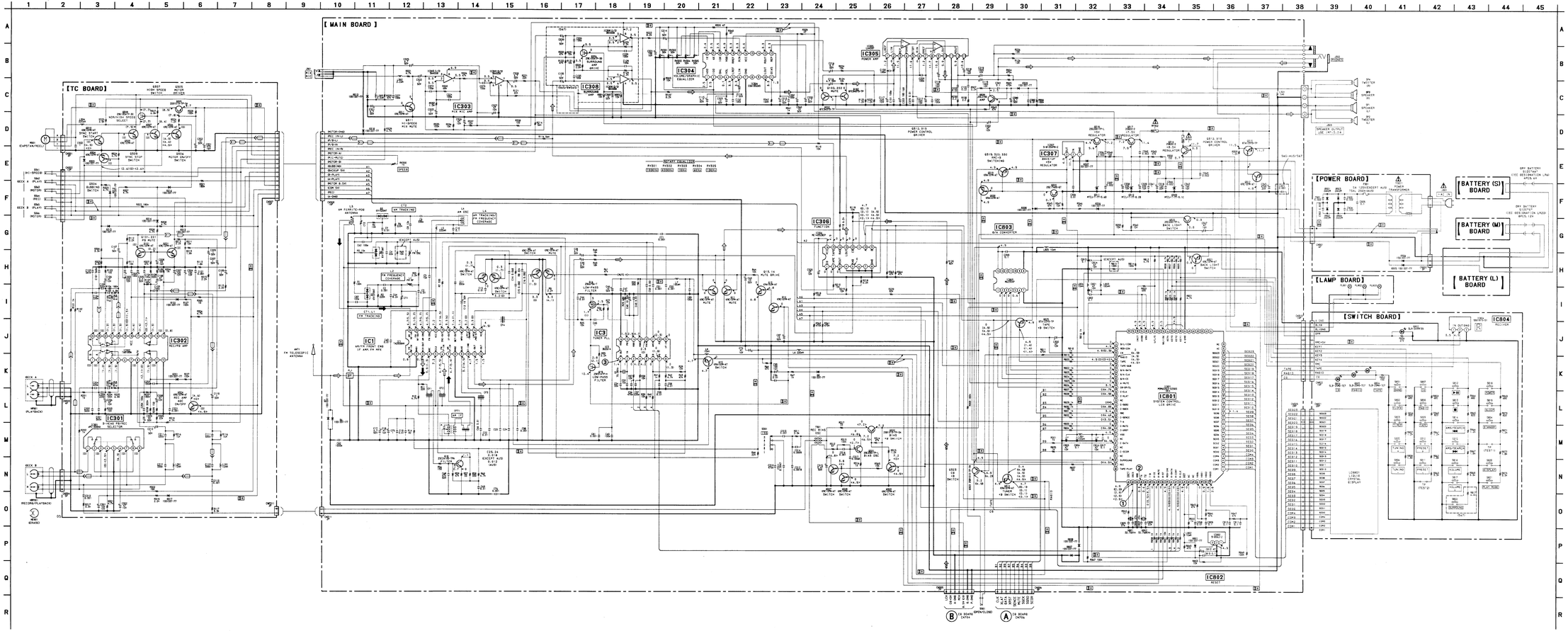


– 34 –

– 35 –

6-3. SCHEMATIC DIAGRAM – AUDIO Section –

• See page 46 for IC Block Diagrams and Waveforms.



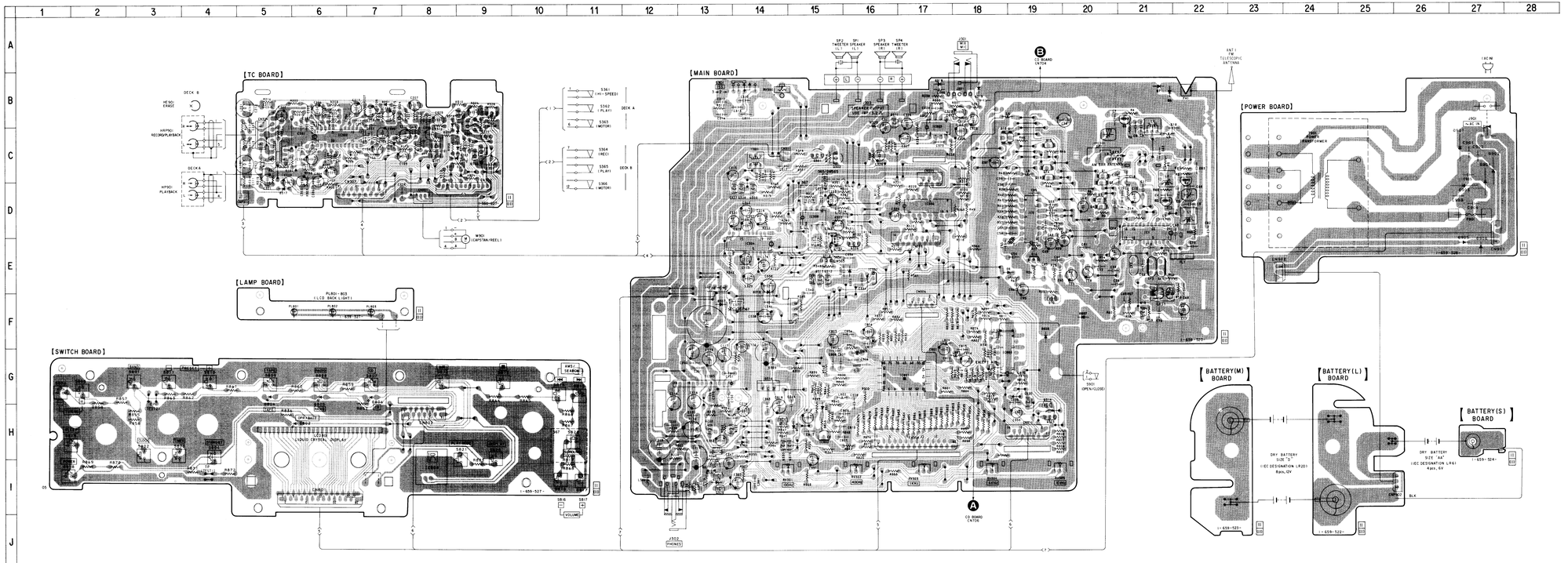
Note on Schematic Diagram:

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantaliums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- △ : internal component.
- ⚠ : fusible resistor.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. ne les remplacer que par une pièce portant le numéro spécifié.

- B+ : B+ Line.
- ▭ : panel designation.
- ▭ : adjustment for repair.
- Voltages are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : AM
  << >> : CD
  [ ] : PB (DECK B)
  { } : PB (DECK A)
  < > : REC (DECK B)
  * : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
  ➡ : AM
  ⇨ : PB (DECK A)
  ⇨ : PB (DECK B)
  ⇨ : REC (DECK B)
  ⇨ : CD
- Abbreviation
  AUS: Australian

6-4. PRINTED WIRING BOARDS – AUDIO Section – • See page 28 for Circuit Boards Location.



• **Semiconductor Location**

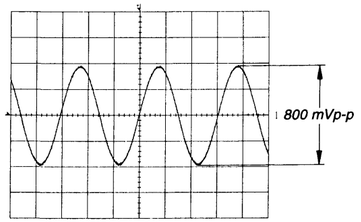
Ref. No.	Location	Ref. No.	Location
D1	D-22	IC803	G-18
D2	D-21	IC804	I-8
D3	B-21		
D6	B-21	Q1	C-20
D7	B-21	Q2	D-20
D8	E-19	Q3	D-20
D101	C-7	Q4	D-20
D201	B-7	Q10	C-18
D303	C-9	Q11	C-19
D306	H-14	Q13	C-19
D307	F-13	Q14	C-19
D308	H-15	Q15	C-19
D309	G-14	Q16	E-19
D310	F-14	Q18	F-20
D311	E-16	Q19	F-19
D312	C-8	Q1101	C-8
D313	C-8	Q102	H-13
D314	C-9	Q201	C-8
D315	C-9	Q202	H-13
D316	B-8	Q301	C-15
D317	D-5	Q302	C-15
D318	B-17	Q303	D-14
D319	B-18	Q304	C-9
D320	I-13	Q305	B-9
D801	H-15	Q306	B-9
D802	H-6	Q307	B-9
D804	G-5	Q308	B-9
D805	G-6	Q309	C-9
D806	G-7	Q310	C-9
D807	F-20	Q311	B-16
D808	F-19	Q312	E-15
D901	C-27	Q313	E-15
D902	C-27	Q314	H-19
D903	D-27	Q316	G-14
D904	C-27	Q317	F-15
D905	E-27	Q318	E-15
D906	E-27	Q319	H-15
		Q320	H-14
IC1	D-21	Q321	I-13
IC3	D-9	Q322	I-13
IC301	C-5	Q323	H-19
IC302	C-6	Q324	B-7
IC303	C-17	Q325	H-19
IC304	E-14	Q326	E-16
IC305	G-13	Q327	D-14
IC306	D-17	Q328	D-14
IC308	D-15	Q329	I-13
IC801	G-17	Q330	H-14
IC802	H-15		

Note on Printed Wiring Boards:

- ——— : parts extracted from the component side.
- ■ : parts mounted on the conductor side.
- △ : internal component.
- Abbreviation
  AUS: Australian

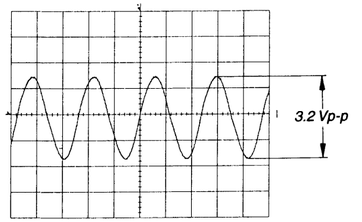
• Waveforms

❶ IC801 ㉒ (FM/AM)



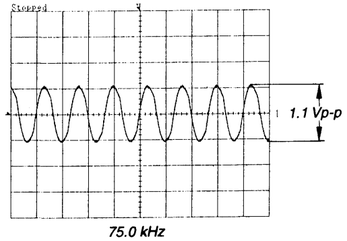
32.76 kHz

❷ IC801 ㉔



32.768 MHz

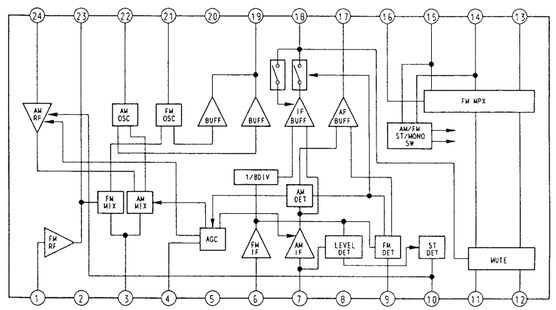
❸ IC3 ① (FM/AM)



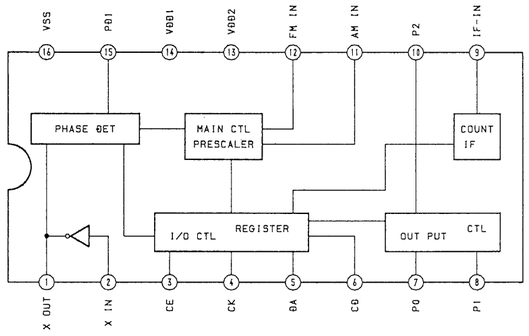
75.0 kHz

• IC Block Diagrams

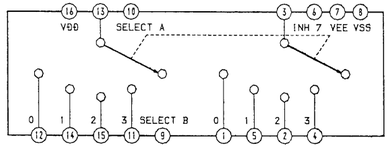
IC1 TA2008AN



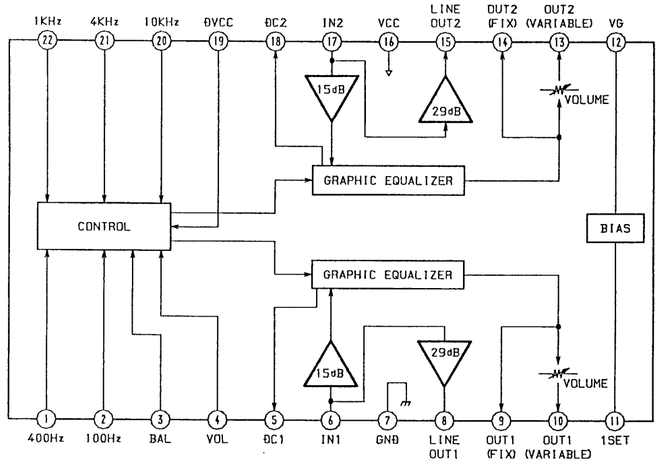
IC3 BU2614



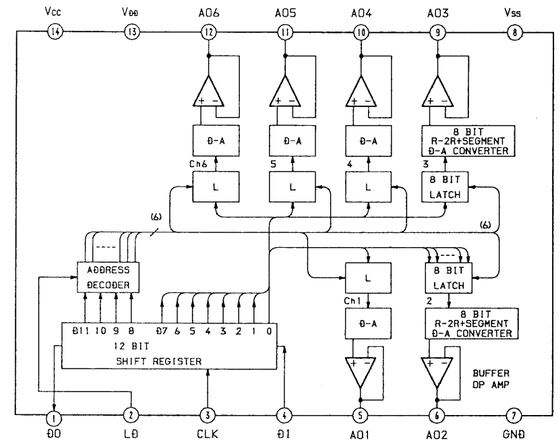
IC306 MC14052BCP



IC304 CXA1352AS



IC803 M62354P



6-5. IC PIN FUNCTION DESCRIPTION

MAIN BOARD IC801 MSM65353-025GS-BK4 (SYSTEM CONTROL, LCD DRIVE)

Pin No.	Pin Name	I/O	Function
1-4	COM 1-4	O	LCD common output
5-28	SEG 0-23	O	LCD segment output
29	NC	–	Not used (Open)
30	NC	–	
31-36	–	–	
37	A-GND	–	Analog ground
38-41	KEY 1-4	I	Key input
42	9k/10k	I	9k/10k switching detection
43	–	–	Not used (Ground)
44	J/L/S	I	Destination selected input
45	–	–	Not used (Ground)
46	VRH	I	Power supply (+5 V) for A/D conveter reference voltage
47	AV_{DD}	I	Power supply (+5 V)
48	INIT	O	Initial output
49	–	–	Not used (Open)
50	–	–	
51	B/L-CONT	O	Back light control output
52	REG-CON	O	Power ON/OFF control
53	CD	O	Function select signal (CD)
54	RADIO	O	Function select signal (RADIO)
55	TAPE	O	Function select signal (TAPE)
56	TAPE-DUB	I	Hi-speed dubbing detect switch input
57	D/A-DATA	O	D/A data signal output
58	D/A-CLK	O	D/A clock signal output
59	D/A-CE	O	D/A CE signal output
60	A-MUTE	O	Audio mute output
61	CD-OP/CL	I	CD door close input
62	C-CLK	O	Clock output to IC702 (DSP)
63	C-XLAT	O	Latch output to IC702 (DSP)
64	NC	–	Not used (Open)
65	C-SQSO	I	Sub-code Q data input
66	C-SQCK	O	Sub-code Q data reading clock output
67	RMC	I	Remote control signal input
68	C-SENCE	I	SENS input from IC702 (DSP)
69	T-A	I	Tape play detected switch input (DECK A)
70	C-MUTE	O	CD mute output
71	C-XRST	O	System reset output to IC702 (DSP)
72	V_{DD}	–	Power supply (+5)
73	NC	–	Not used (Open)
74	C-DATA	O	Data output to IC702 (DSP)
75	NC	–	Not used (Open)
76	C-SCOR	I	SCOR input from IC702 (DSP)
77	NC	–	Not used (Open)

Pin No.	Pin Name	I/O	Function
78	SURROUND	O	Surround play control output.
79	REC	I	REC input "H": REC, "L": PB
80	TAPE-PLAY	I	TAPE play detected (Open)
81	$\overline{OSC1}$	O	Main clock output (4.19 MHz)
82	OSC0	I	Main clock input (4.19 MHz)
83	GND	–	Digital ground
84	TX	I	Input clock for TUNER (32,768 kHz)
85	TX	O	Output clock for TUNER (32,768 kHz)
86	T-B	I	TAPE play detect switch input (DECK B)
87	R-CE	O	Chip enable output to IC3 (PLL)
88	R-MUTE	O	Mute output for RADIO
89	R-ST	I	Stereo signal input (RADIO)
90	REG CHK	I	Regulator check input
91	R-DATA	O	Data output to IC3 (PLL)
92	R-CONT	I	Data input from IC3 (PLL)
93	R-CLK	O	Clock output to IC3 (PLL)
94	$\overline{RST}$	I	System reset input
95	NC	–	Ground
96	NC	–	Not used (Open)
97	$V_{DD}L$	O	LCD driving output
98	$V_{DD}1$	O	
99	$V_{DD}2$	O	
100	$V_{DD}3$	O	

SECTION 7
EXPLODED VIEWS

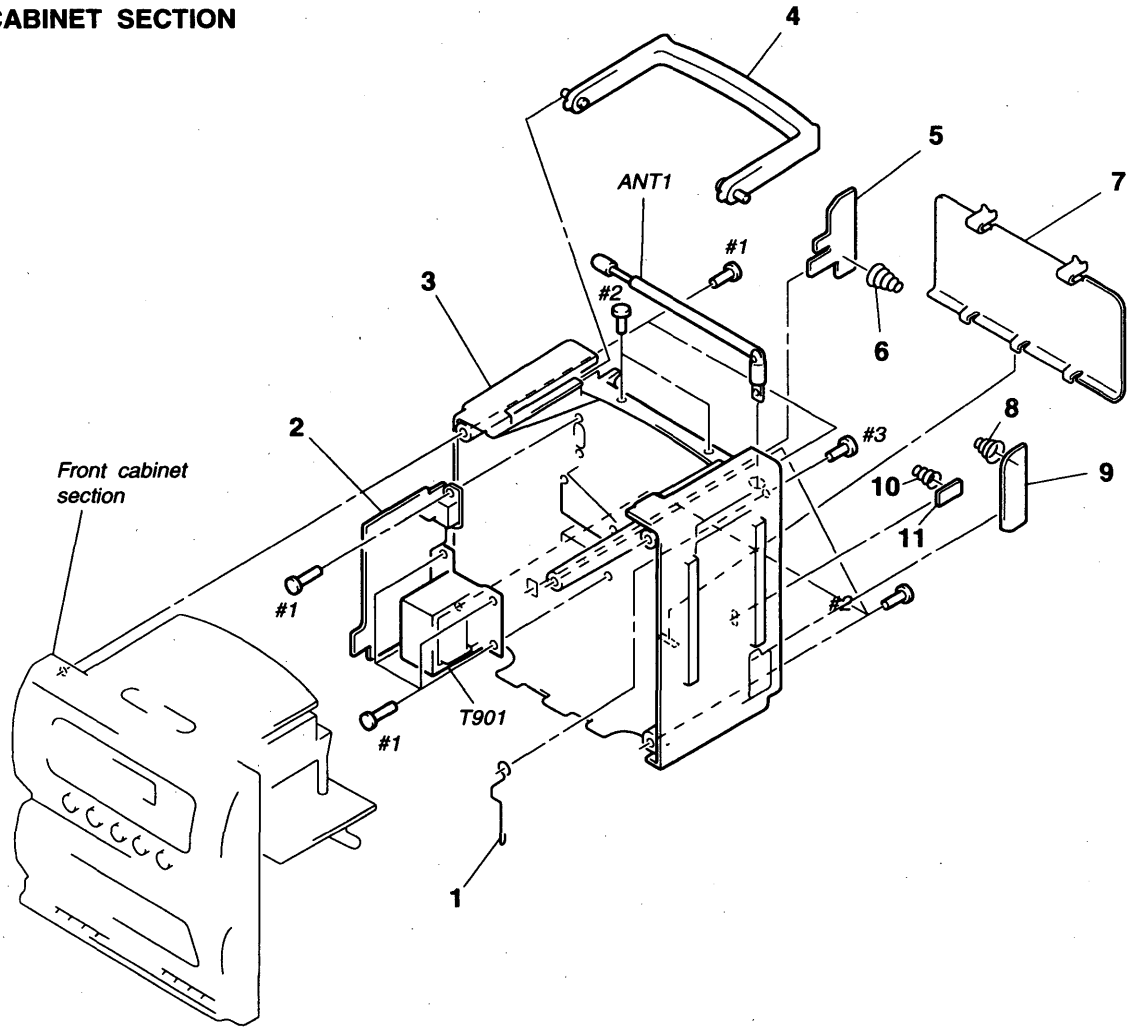
NOTE:
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearrance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Abbreviation
  AUS: Australian
  C&SA: Central and South America

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

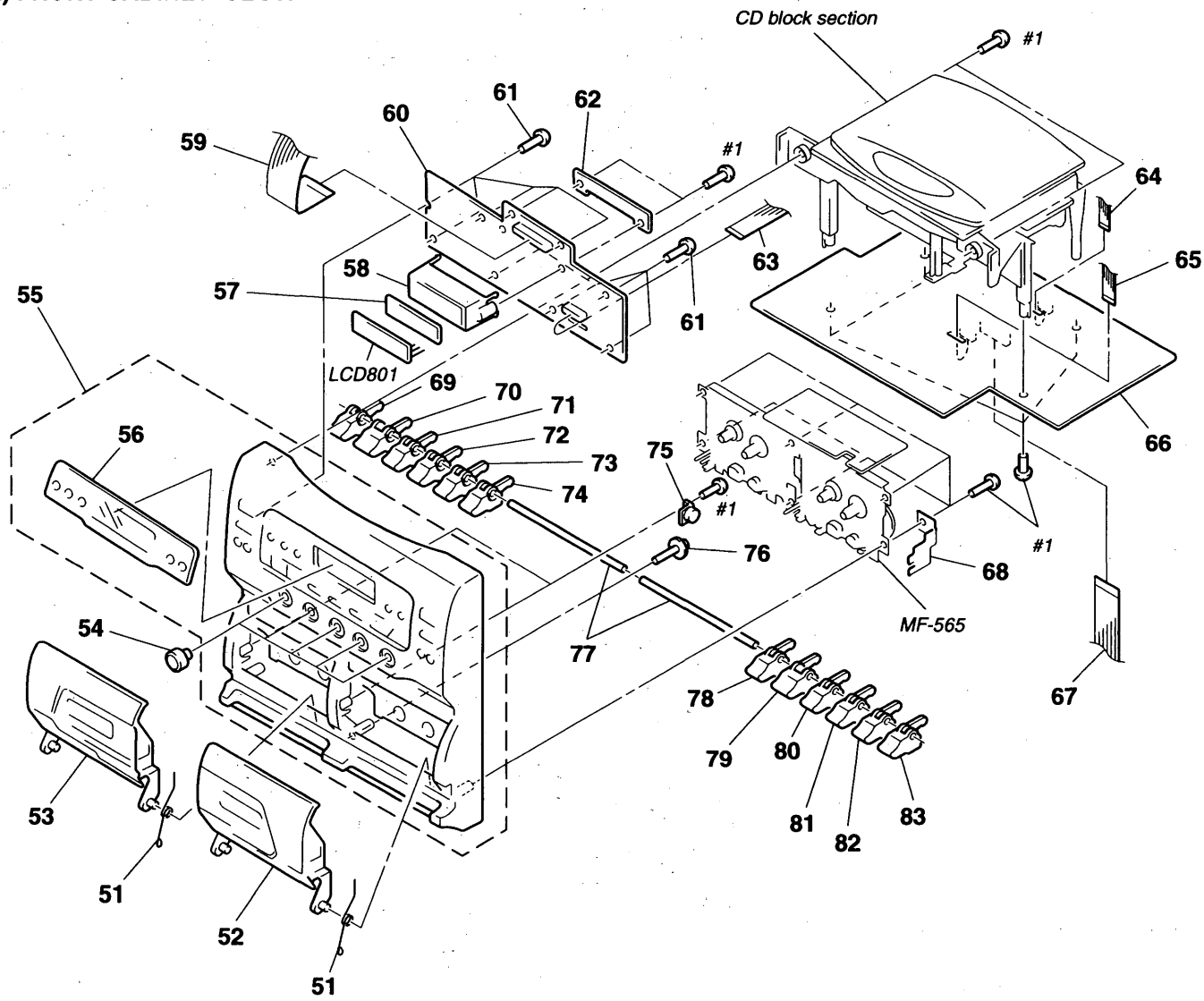
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le neméro spécifié.

(1) REAR CABINET SECTION



Ref. No.	Part No.	Description	Remark
1	3-935-455-01	TERMINAL, ANT	
* 2	1-659-528-11	POWER BOARD	
3	3-935-457-01	CABINET, REAR (565: US)	
3	3-935-457-21	CABINET, REAR (EXCEPT 565: US)	
4	3-935-456-01	HANDLE	
* 5	1-659-522-11	BATTERY (L) BOARD	
6	3-935-452-01	SPRING (-), BATTERY	
7	3-935-403-01	LID, BATTERY	
8	3-935-452-01	SPRING (-), BATTERY	
* 9	1-659-523-11	BATTERY (M) BOARD	
10	3-935-453-01	SPRING (S), BATTERY	
* 11	1-659-524-11	BATTERY (S) BOARD	
ANT1	1-501-383-21	ANTENNA, TELESCOPIC (FM)	
⚠T901	1-429-401-11	TRANSFORMER, POWER (EXCEPT 565: AUS)	
⚠T901	1-429-402-11	TRANSFORMER, POWER (565: AUS)	

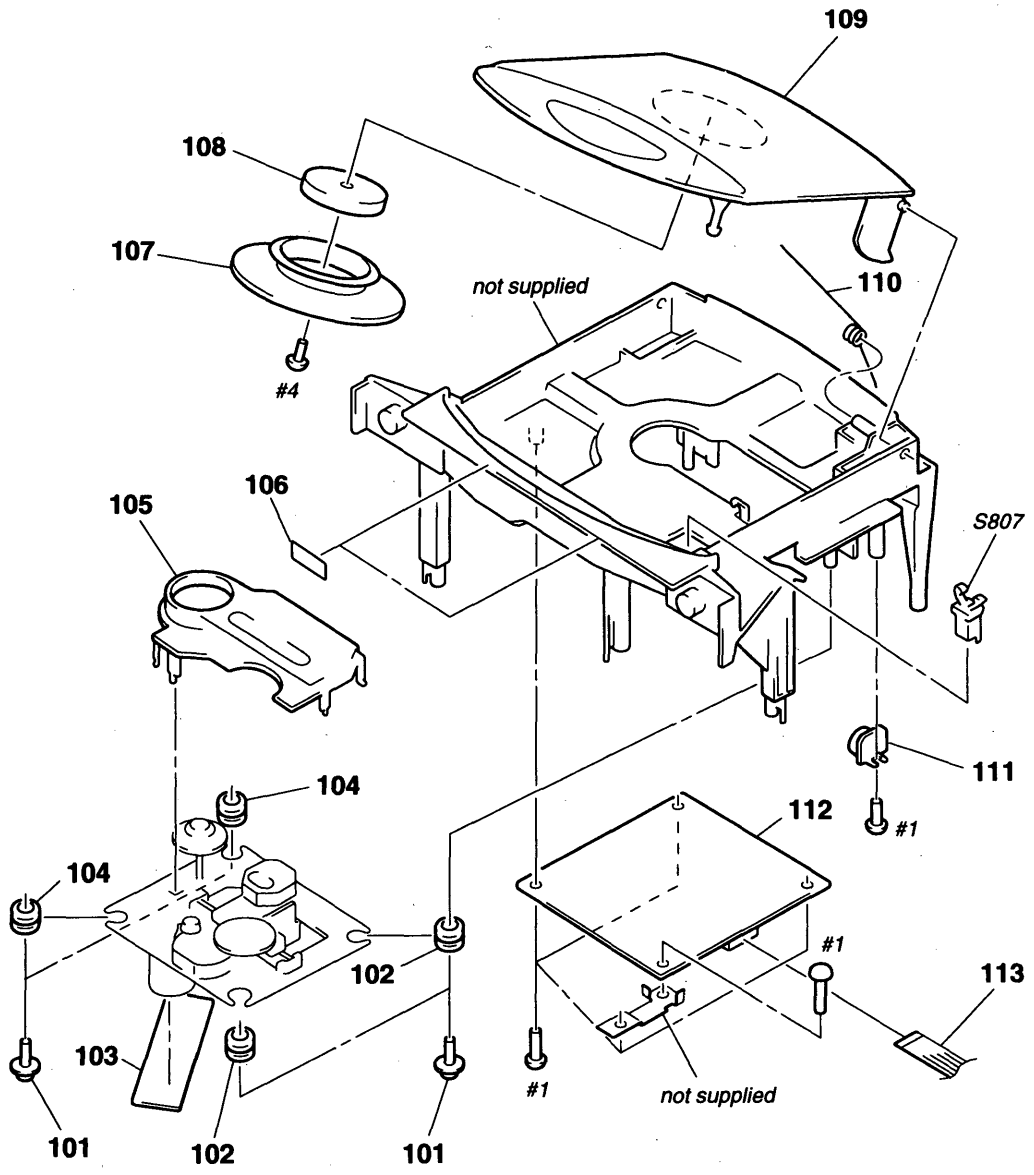
(2) FRONT CABINET SECTION



Ref. No.	Part No.	Description	Remark
51	3-935-404-01	SPRING, CASSETTE OPEN	
52	X-3372-090-1	HOLDER SUB ASSY (B), CASSETTE	
53	X-3372-089-1	HOLDER SUB ASSY (A), CASSETTE	
54	3-935-405-01	KNOB (GEQ)	
55	X-3372-088-1	CABINET SUB ASSY, FRONT (565)	
55	X-3372-365-1	CABINET SUB ASSY, FRONT (DW565)	
55	X-3372-366-1	CABINET SUB ASSY, FRONT (567)	
56	3-935-406-01	WINDOW, LCD	
57	3-935-469-01	ILLUMINATOR (LCD)	
58	3-935-468-01	HOLDER, LCD	
59	1-776-243-11	WIRE, PARALLEL (FFC) (28 CORE)	
* 60	A-3305-750-A	SWITCH BOARD, COMPLETE (565/DW565)	
* 60	A-3305-901-A	SWITCH BOARD, COMPLETE (567)	
61	4-951-620-01	SCREW (2.6X8), +BVTP	
* 62	1-659-527-11	LAMP BOARD	
63	1-776-244-11	WIRE, PARALLEL (FFC) (14 CORE)	
64	1-777-054-11	WIRE, PARALLEL (FFC) (7 CORE)	
65	1-776-242-11	WIRE, PARALLEL (FFC) (9 CORE)	
* 66	A-3305-753-A	MAIN BOARD, COMPLETE (565: US, Canadian/DW565)	

Ref. No.	Part No.	Description	Remark
* 66	A-3305-879-A	MAIN BOARD, COMPLETE (567)	
* 66	A-3305-885-A	MAIN BOARD, COMPLETE (565: AUS)	
67	1-776-245-11	WIRE, PARALLEL (FFC) (16 CORE)	
* 68	3-936-268-01	BRACKET (B), MD	
69	3-935-422-01	BUTTON (HI-DUB), MD	
70	3-935-423-01	BUTTON (PLAY-A), MD (►)	
71	3-935-424-01	BUTTON (REW-A), MD (►►)	
72	3-935-425-01	BUTTON (FF-A), MD (◄◄)	
73	3-935-426-01	BUTTON (ST/EJECT-A), MD (■/⏏)	
74	3-935-427-01	BUTTON (PAUSE-A), MD (❚❚)	
75	3-926-926-01	GEAR, DAMPER	
76	3-365-853-01	SCREW (+BTPWH) (3X12)	
* 77	3-935-428-01	SHAFT, MD	
78	3-935-429-01	BUTTON (REC), MD (●)	
79	3-935-432-01	BUTTON (PLAY-B), MD (►)	
80	3-935-433-01	BUTTON (REW-B), MD (►►)	
81	3-935-434-01	BUTTON (FF-B), MD (◄◄)	
82	3-935-435-01	BUTTON (ST/EJECT-B), MD (■/⏏)	
83	3-935-436-01	BUTTON (PAUSE-B), MD (❚❚)	
LCD801	1-801-223-11	DISPLAY PANEL, LIQUID CRYSTAL	

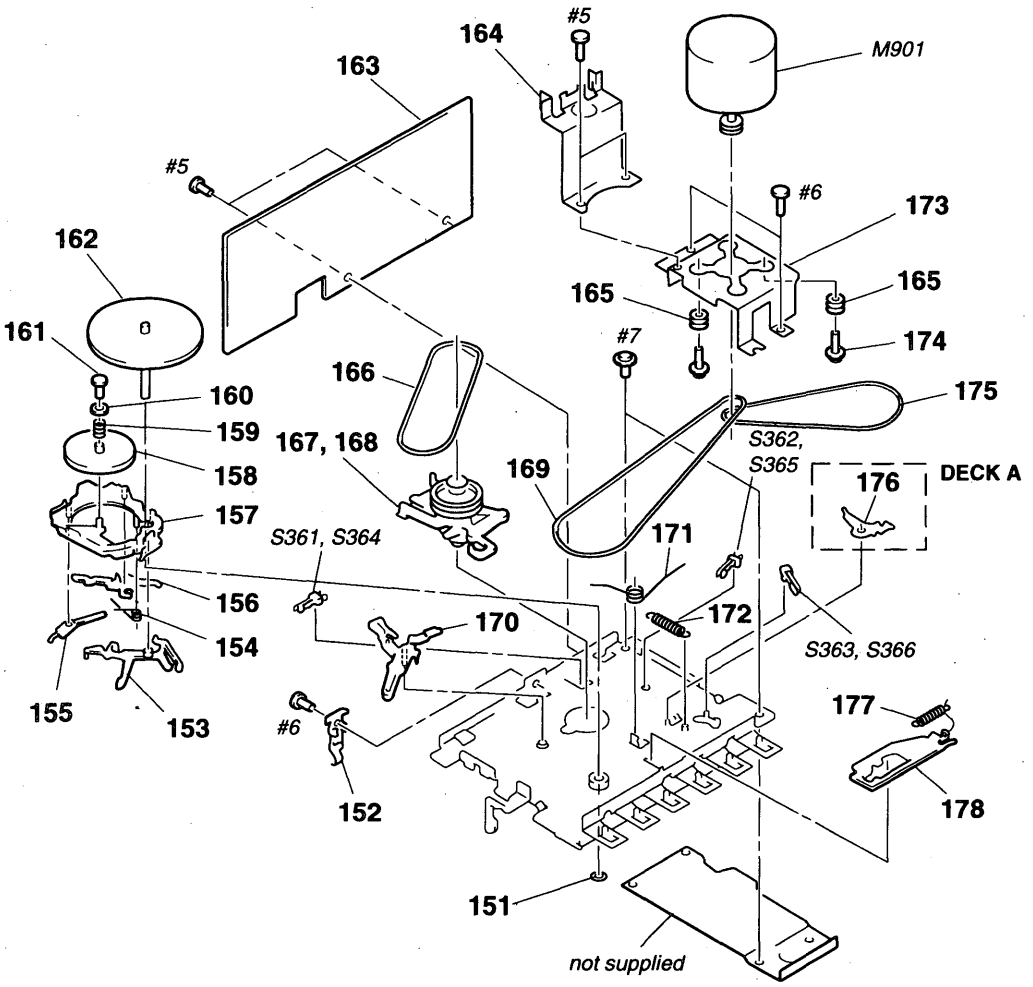
(3) CD BLOCK SECTION



Ref. No.	Part No.	Description	Remark
101	3-921-725-01	SCREW (2.6X10), +PWH	
102	3-931-379-31	RUBBER, VIBRATION PROOF (RED)	
* 103	1-659-530-11	CD MOTOR BOARD	
104	3-931-379-21	RUBBER, VIBRATION PROOF (GREEN)	
105	3-923-736-01	COVER, CD	
106	3-831-441-XX	CUSHION, SPEAKER	
107	3-920-158-01	PLATE, CHUCKING	
108	1-452-732-11	MAGNET	
109	X-3372-092-1	LID SUB ASSY, CD	

Ref. No.	Part No.	Description	Remark
110	3-935-853-01	SPRING, CD UP	
111	3-351-377-11	GEAR, DAMPER	
* 112	A-3305-754-A	CD BOARD, COMPLETE (565: US, Canadian/DW565)	
* 112	A-3305-880-A	CD BOARD, COMPLETE (567)	
* 112	A-3305-886-A	CD BOARD, COMPLETE (565: AUS)	
113	1-776-246-11	WIRE, PARALLEL (FFC) (16 CORE)	
S807	1-692-960-11	SWITCH, PUSH (1 KEY) (CD OPEN)	

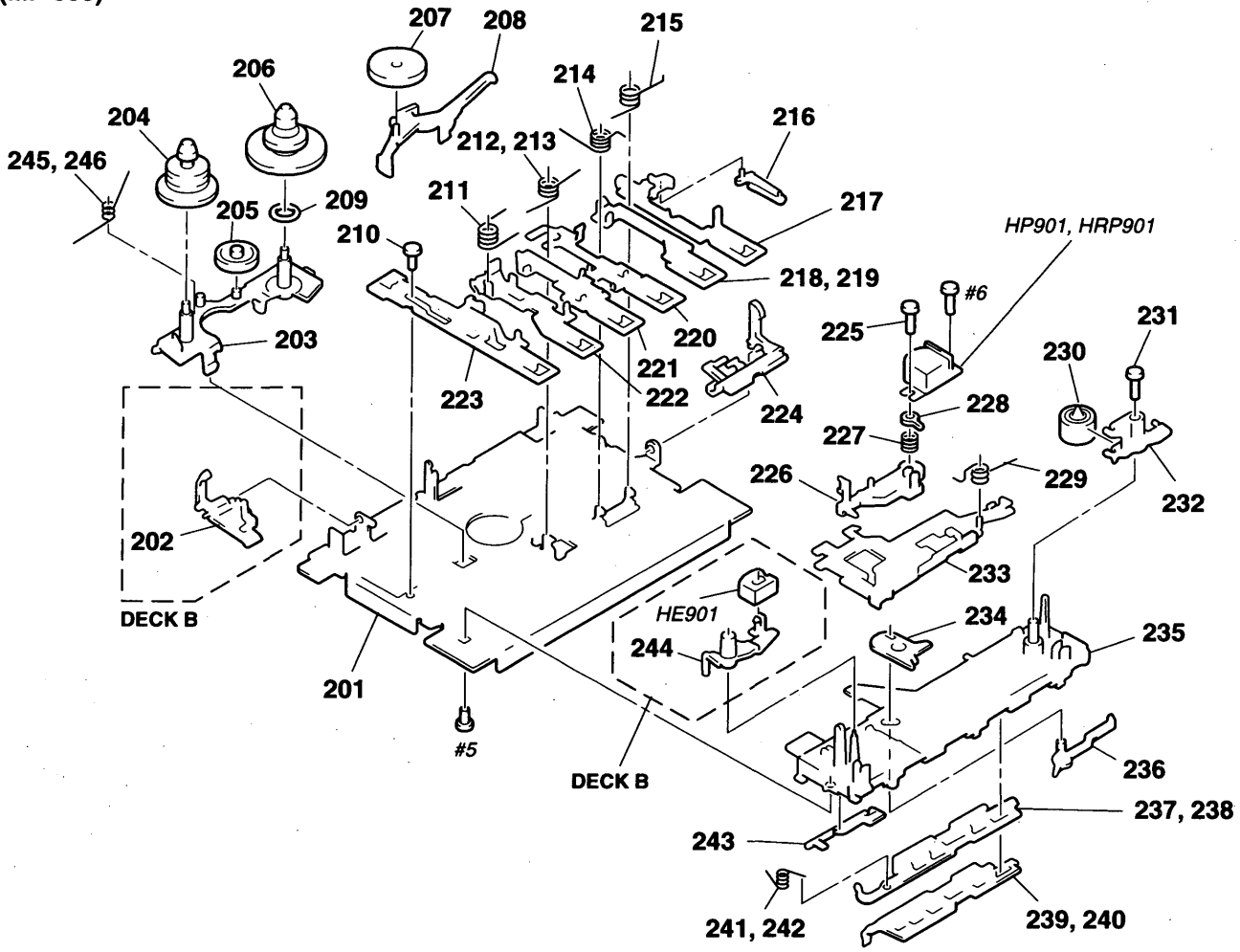
(4) MECHANISM DECK SECTION-1 (MF-565)



Ref. No.	Part No.	Description	Remark
151	3-362-980-01	WASHER	
152	3-362-967-01	SPRING, CASSETTE	
153	3-362-975-01	LEVER, SENSOR	
154	3-362-977-01	SPRING	
155	3-362-978-01	SPRING, PLATE	
156	3-362-976-01	LEVER, CONTROL	
157	3-362-973-01	AS (BASE)	
158	X-3363-315-1	GEAR, CAM	
159	3-369-962-01	SPRING, COMPRESSION	
160	3-369-961-01	WASHER	
161	3-366-352-01	SCREW	
162	3-369-921-01	FW ASSY	
* 163	A-3305-749-A	TC BOARD, COMPLETE (565: US, Canadian/DW565)	
* 163	A-3305-877-A	TC BOARD, COMPLETE (567)	
* 163	A-3305-884-A	TC BOARD, COMPLETE (565: AUS)	
* 164	3-935-407-01	BRACKET, MD	
165	3-343-897-01	WASHER, RUBBER	
166	3-362-989-01	BELT	

Ref. No.	Part No.	Description	Remark
167	3-369-920-01	IDLER ASSY, PF (DECK A)	
168	3-362-969-01	IDLER ASSY, PF (DECK B)	
169	3-369-931-01	BELT	
170	3-387-697-01	SENSOR	
171	3-362-970-01	SPRING	
172	3-362-971-01	SPRING	
* 173	3-369-929-01	HOLDER, MOTOR	
174	3-343-896-01	SCREW, MOTOR	
175	3-369-918-01	BELT	
* 176	3-369-916-01	LEVER, SWITCH (DECK A)	
177	3-371-920-01	SPRING	
* 178	3-371-919-01	PLATE FR STOP	
M901	3-378-834-01	MOTOR ASSY	
S361	1-571-745-11	SWITCH, LEAF (HI SPEED) (DECK A)	
S362	1-571-556-11	SWITCH, LEAF (PLAY) (DECK A)	
S363	1-571-745-11	SWITCH, LEAF (MOTOR) (DECK A)	
S364	1-571-745-11	SWITCH, LEAF (REC) (DECK B)	
S365	1-571-556-11	SWITCH, LEAF (PLAY) (DECK B)	
S366	1-571-745-11	SWITCH, LEAF (MOTOR) (DECK B)	

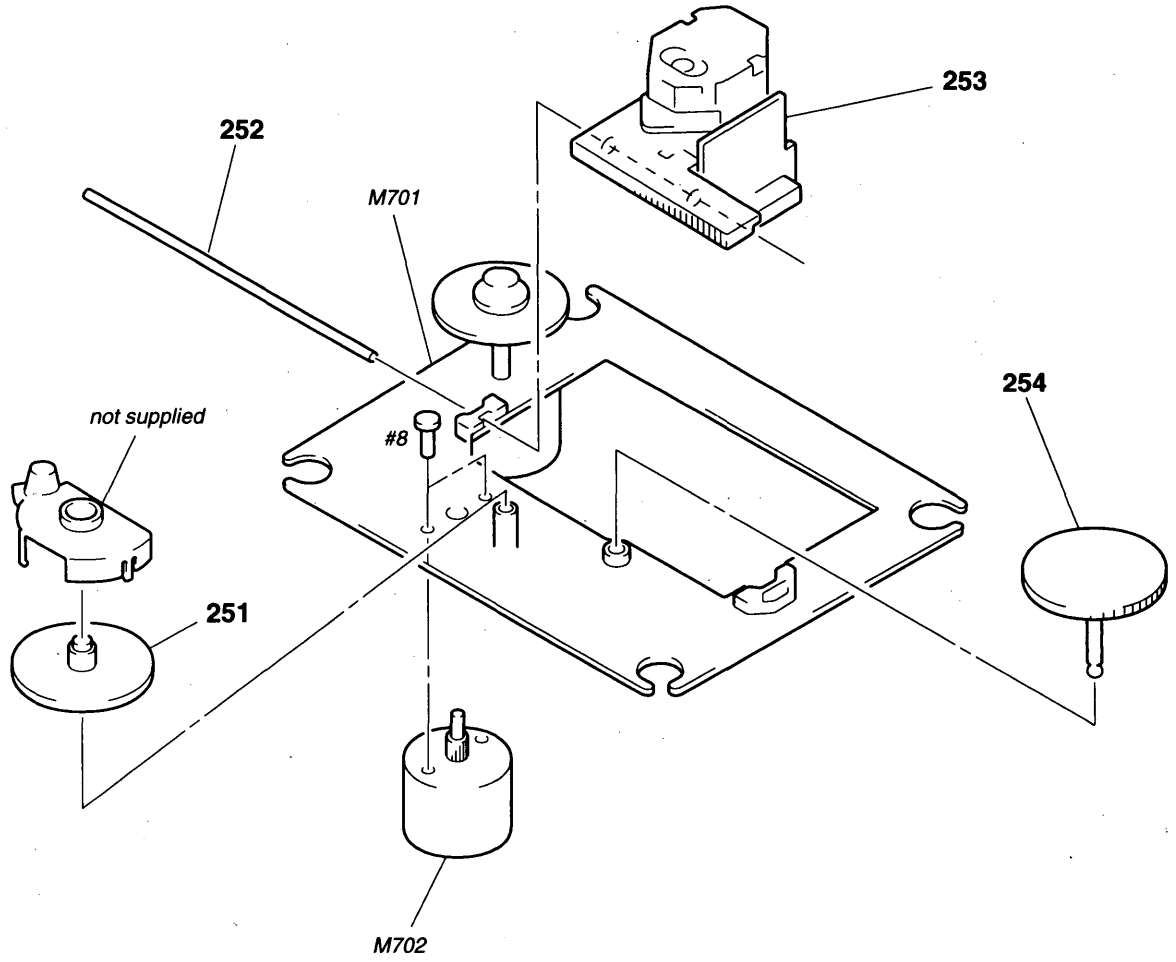
(5) MECHANISM DECK SECTION-2 (MF-565)



Ref. No.	Part No.	Description	Remark
* 201	3-362-941-01	CHASSIS	
202	3-362-966-01	INTER LOCK (DECK B)	
203	3-362-961-01	SPINDLE (BASE)	
204	X-3363-611-1	REEL, S	
205	3-362-965-01	IDLER, FF	
206	3-362-962-01	REEL ASSY, T	
207	3-362-960-01	PULLEY, IDLER	
208	3-362-959-01	ARM, IDLER	
209	3-372-173-01	PLATE SPRING BT	
210	3-362-958-01	SCREW	
211	3-362-954-01	SPRING	
212	3-369-917-01	SPRING (DECK A)	
213	3-362-955-01	SPRING (DECK B)	
214	3-362-956-01	SPRING	
215	3-370-698-01	SPRING	
216	3-362-953-01	ARM, PAUSE	
* 217	3-362-952-01	LEVER, PAUSE	
* 218	3-369-915-01	LEVER, SE (DECK A)	
* 219	3-362-951-01	LEVER, SE (DECK B)	
* 220	3-362-950-01	LEVER, FF	
* 221	3-362-949-01	LEVER, REW	
* 222	3-362-948-01	LEVER, PLAY	
* 223	3-362-947-01	LEVER, REC	
224	3-362-968-01	LEVER, EJECT	
225	3-363-229-01	SCREW	

Ref. No.	Part No.	Description	Remark
226	3-362-986-01	HOLDER, HEAD	
227	3-362-985-01	SPRING	
228	3-390-817-01	LUG	
229	3-362-983-01	SPRING	
230	3-362-982-01	PINCH ROLLER	
231	3-366-352-01	SCREW	
232	3-362-981-01	PINCH ARM	
* 233	3-362-984-01	HEAD (BASE)	
234	3-366-108-01	LINK, CR	
235	3-362-942-01	FRAME ASSY	
236	3-366-107-01	ARM, CR	
* 237	3-369-912-01	PLATE, FUNCTION (DECK A)	
* 238	3-362-943-01	PLATE, FUNCTION (DECK B)	
* 239	3-369-914-01	LEVER, SW (DECK A)	
* 240	3-362-946-01	LEVER, SW (DECK B)	
241	3-369-913-01	SPRING (DECK A)	
242	3-362-945-01	SPRING (DECK B)	
243	3-362-944-01	STOPPER, REC	
244	3-362-987-01	ARM, EH (DECK B)	
245	3-372-120-01	SPRING (DECK A)	
246	3-917-805-01	SPRING (DECK B)	
HE901	1-543-558-11	HEAD, E (ERASE) (DECK B)	
HP901	1-543-424-21	HEAD (PLAYBACK) (DECK A)	
HRP901	1-543-424-21	HEAD (RECORD/PLAYBACK) (DECK B)	

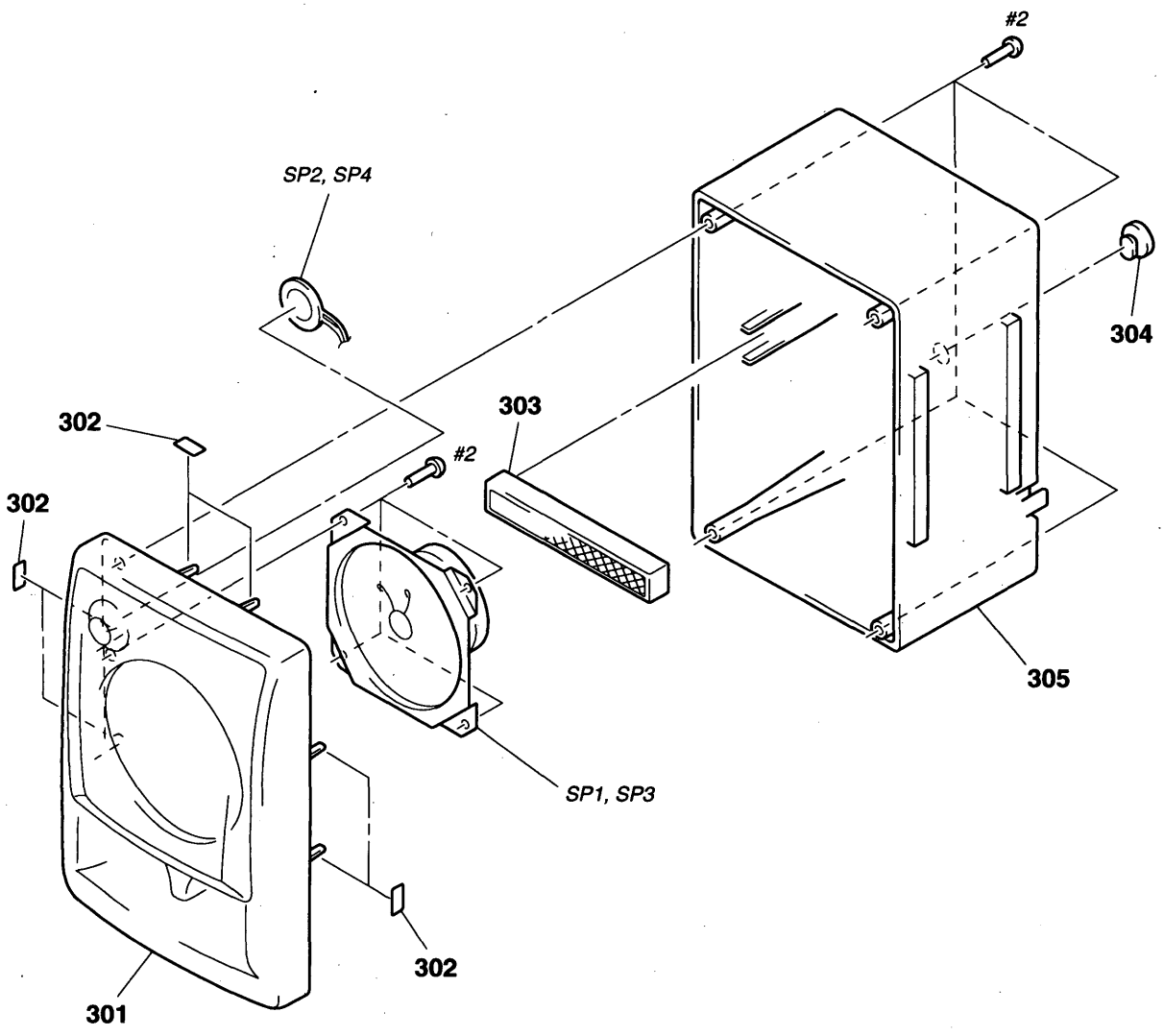
(6) OPTICAL PICK-UP SECTION (KSM-213BAN)



Ref. No.	Part No.	Description	Remark
251	2-627-003-01	GEAR (B) (RP)	
252	2-626-908-01	SHAFT, SLED	
⚠253	8-848-376-01	OPTICAL PICK-UP KSS-213B/S-N	
254	2-626-907-01	GEAR (A) (S)	
M701	X-2625-770-1	MOTOR ASSY, SPINDLE	
M702	X-2625-769-1	MOTOR GEAR ASSY (SLED)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le neméro spécifié.

(7) SPEAKER SECTION



Ref. No.	Part No.	Description	Remark
301	X-3372-093-1	SPEAKER (FRONT) SUB ASSY (L) (565/DW565)	
301	X-3372-094-1	SPEAKER (FRONT) SUB ASSY (R) (565/DW565)	
301	X-3372-367-1	SPEAKER (FRONT) SUB ASSY (L) (567)	
301	X-3372-368-1	SPEAKER (FRONT) SUB ASSY (R) (567)	
302	3-831-441-XX	CUSHION, SPEAKER	
* 303	3-935-460-01	BRACKET (H), SPEAKER	
304	3-904-982-01	STOPPER, CORD	

Ref. No.	Part No.	Description	Remark
305	3-935-459-01	CABINET (L), SPEAKER (REAR)	
305	3-935-463-01	CABINET (R), SPEAKER (REAR)	
SP1	1-504-719-11	SPEAKER (12CM) (L CH)	
SP2	1-504-547-11	TWEETER (2 CM) (L CH)	
SP3	1-504-719-11	SPEAKER (12CM) (R CH)	
SP4	1-504-547-11	TWEETER (2 CM) (R CH)	

BATTERY (L) | BATTERY (M) | BATTERY (S) | CD

SECTION 4
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Abbreviation
  AUS: Australian
  C&SA: Central and South America
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA. . : μA. . uPA. . : μPA. .
  uPB. . : μPB. . uPC. . : μPC. .
  uPD. . : μPD. .
- CAPACITORS
  uF: μF
- COILS
  uH: μH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le neméro spécifié.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
*	1-659-522-11	BATTERY (L) BOARD			
		**********			
	3-935-452-01	SPRING (-), BATTERY			
**********					
*	1-659-523-11	BATTERY (M) BOARD			
		**********			
	3-935-452-01	SPRING (-), BATTERY			
**********					
*	1-659-524-11	BATTERY (S) BOARD			
		**********			
	3-935-453-01	SPRING (S), BATTERY			
**********					
*	A-3305-754-A	CD BOARD, COMPLETE (565: US, Canadian/DW565)			
*	A-3305-880-A	CD BOARD, COMPLETE (567)			
*	A-3305-886-A	CD BOARD, COMPLETE (565: AUS)			
		**********			
	1-776-246-11	WIRE, PARALLEL (FFC) (16 CORE)			
		< CAPACITOR >			
C701	1-162-302-11	CERAMIC	0.0022uF	30%	16V
C702	1-162-851-11	CERAMIC	0.1uF	10%	16V
C703	1-162-851-11	CERAMIC	0.1uF	10%	16V
C704	1-162-851-11	CERAMIC	0.1uF	10%	16V
C705	1-126-963-11	ELECT	4.7uF	20%	50V
C706	1-130-489-00	MYLAR	0.033uF	5%	50V
C707	1-130-486-00	MYLAR	0.018uF	10%	50V
C708	1-162-199-31	CERAMIC	10PF	5%	50V
C709	1-126-962-11	ELECT	3.3uF	20%	50V
C710	1-130-493-00	MYLAR	0.068uF	5%	50V
C711	1-162-215-31	CERAMIC	47PF	5%	50V
C713	1-130-489-00	MYLAR	0.033uF	5%	50V
C714	1-162-306-11	CERAMIC	0.01uF	30%	16V
C715	1-130-489-00	MYLAR	0.033uF	5%	50V
C716	1-130-499-00	MYLAR	0.22uF	5%	50V
C717	1-104-664-11	ELECT	47uF	20%	10V
C718	1-124-907-11	ELECT	10uF	20%	50V
C721	1-130-491-00	MYLAR	0.047uF	5%	50V
C722	1-101-005-00	CERAMIC	22000PF		50V
C723	1-162-851-11	CERAMIC	0.1uF	10%	16V
C725	1-162-199-31	CERAMIC	10PF	5%	50V
C726	1-162-294-31	CERAMIC	0.001uF	10%	50V
C727	1-162-306-11	CERAMIC	0.01uF	30%	16V
C728	1-162-306-11	CERAMIC	0.01uF	30%	16V
C729	1-104-664-11	ELECT	47uF	20%	10V
C730	1-126-941-11	ELECT	470uF	20%	16V
C731	1-162-294-31	CERAMIC	0.001uF	10%	50V
C732	1-130-484-00	MYLAR	0.012uF	5%	50V
C734	1-162-305-11	CERAMIC	0.0068uF	20%	16V
C737	1-162-286-21	CERAMIC	220PF	10%	50V
C738	1-162-286-21	CERAMIC	220PF	10%	50V
C741	1-104-664-11	ELECT	47uF	20%	10V
C742	1-124-902-00	ELECT	0.47uF	20%	50V
C743	1-162-290-31	CERAMIC	470PF	10%	50V
C744	1-162-286-21	CERAMIC	220PF	10%	50V
C745	1-130-499-00	MYLAR	0.22uF	5%	50V
C746	1-162-306-11	CERAMIC	0.01uF	30%	16V
C747	1-130-483-00	MYLAR	0.01uF	5%	50V
C748	1-162-306-11	CERAMIC	0.01uF	30%	16V (AUS)
C752	1-162-199-31	CERAMIC	10PF	5%	50V
C753	1-162-199-31	CERAMIC	10PF	5%	50V
C754	1-104-666-11	ELECT	220uF	20%	10V
C755	1-162-306-11	CERAMIC	0.01uF	30%	16V

Ref. No.	Part No.	Description			Remark
C756	1-162-306-11	CERAMIC	0.01uF	30%	16V
C760	1-104-666-11	ELECT	220uF	20%	10V
C763	1-162-302-11	CERAMIC	0.0022uF	30%	16V
C764	1-126-963-11	ELECT	4.7uF	20%	50V
C773	1-162-302-11	CERAMIC	0.0022uF	30%	16V
C774	1-126-963-11	ELECT	4.7uF	20%	50V
C781	1-104-666-11	ELECT	220uF	20%	10V
C782	1-162-294-31	CERAMIC	0.001uF	10%	50V
C787	1-124-472-11	ELECT	470uF	20%	10V
C788	1-162-294-31	CERAMIC	0.001uF	10%	50V
C790	1-162-306-11	CERAMIC	0.01uF	30%	16V
C791	1-162-306-11	CERAMIC	0.01uF	30%	16V (AUS)
C792	1-162-306-11	CERAMIC	0.01uF	30%	16V (AUS)
C793	1-162-306-11	CERAMIC	0.01uF	30%	16V (AUS)
C794	1-162-282-31	CERAMIC	100PF	10%	50V (US, Canadian, C&SA)
C795	1-162-282-31	CERAMIC	100PF	10%	50V (US, Canadian, C&SA)
C796	1-162-306-11	CERAMIC	0.01uF	30%	16V
C797	1-162-294-31	CERAMIC	0.001uF	10%	50V (US, Canadian, C&SA)
C798	1-162-282-31	CERAMIC	100PF	10%	50V (US, Canadian, C&SA)
C798	1-162-294-31	CERAMIC	0.001uF	10%	50V (AUS)
C799	1-162-282-31	CERAMIC	100PF	10%	50V (US, Canadian, C&SA)
		< CONNECTOR >			
CN701	1-774-975-11	CONNECTOR, FFC/FPC 16P			
* CN703	1-580-158-11	PIN, CONNECTOR (PC BOARD) 6P			
CN704	1-695-330-31	HOUSING, CONNECTOR 7P			
CN706	1-691-041-21	HOUSING, CONNECTOR 9P			
		< IC >			
IC701	8-752-069-56	IC CXA1782BQ			
IC702	8-752-372-94	IC CXD2507AQ			
IC703	8-759-336-75	IC BA5930FP			
IC704	8-759-426-44	IC SM5877AM			
		< COIL >			
L701	1-408-080-00	INDUCTOR	100uH		
L702	1-414-142-11	INDUCTOR	1uH (565: US, Canadian/DW565)		
L703	1-410-509-11	INDUCTOR	10uH (AUS)		
L703	1-414-142-11	INDUCTOR	1uH (US, Canadian, C&SA)		
L705	1-414-142-11	INDUCTOR	1uH (US, Canadian, C&SA)		

Ref. No.	Part No.	Description			Remark
L706	1-414-142-11	INDUCTOR	1uH (US, Canadian, C&SA)		
L707	1-414-142-11	INDUCTOR	1uH (US, Canadian, C&SA)		
L708	1-414-142-11	INDUCTOR	1uH (US, Canadian, C&SA)		
L710	1-414-142-11	INDUCTOR	1uH (AUS)		
L711	1-414-142-11	INDUCTOR	1uH (AUS)		
		< TRANSISTOR >			
Q701	8-729-801-84	TRANSISTOR	2SB1013-4		
Q702	8-729-036-79	TRANSISTOR	KRC109M-AT		
Q703	8-729-036-80	TRANSISTOR	KRC110M-AT		
Q705	8-729-037-34	TRANSISTOR	KRA107M-AT		
Q760	8-729-036-80	TRANSISTOR	KRC110M-AT		
Q770	8-729-036-80	TRANSISTOR	KRC110M-AT		
		< RESISTOR >			
R700	1-249-429-11	CARBON	10K	5%	1/4W
R701	1-249-441-11	CARBON	100K	5%	1/4W
R702	1-247-896-11	CARBON	510K	5%	1/4W
R703	1-249-441-11	CARBON	100K	5%	1/4W
R704	1-247-883-00	CARBON	150K	5%	1/4W
R705	1-249-437-11	CARBON	47K	5%	1/4W
R706	1-247-876-11	CARBON	75K	5%	1/4W
R707	1-249-432-11	CARBON	18K	5%	1/4W
R708	1-247-883-00	CARBON	150K	5%	1/4W
R709	1-247-862-11	CARBON	20K	5%	1/4W
R710	1-249-393-11	CARBON	10	5%	1/4W
R711	1-249-417-11	CARBON	1K	5%	1/4W
R712	1-249-417-11	CARBON	1K	5%	1/4W
R713	1-249-417-11	CARBON	1K	5%	1/4W
R714	1-247-883-00	CARBON	150K	5%	1/4W
R715	1-249-417-11	CARBON	1K	5%	1/4W
R716	1-249-430-11	CARBON	12K	5%	1/4W
R717	1-249-429-11	CARBON	10K	5%	1/4W
R718	1-247-899-11	CARBON	680K	5%	1/4W
R719	1-249-417-11	CARBON	1K	5%	1/4W
R720	1-247-891-00	CARBON	330K	5%	1/4W
R722	1-249-439-11	CARBON	68K	5%	1/4W
R723	1-249-440-11	CARBON	82K	5%	1/4W
R725	1-249-437-11	CARBON	47K	5%	1/4W
R726	1-249-429-11	CARBON	10K	5%	1/4W
R727	1-249-429-11	CARBON	10K	5%	1/4W
R730	1-249-435-11	CARBON	33K	5%	1/4W
R731	1-247-863-11	CARBON	22K	5%	1/4W
R732	1-249-429-11	CARBON	10K	5%	1/4W
R733	1-249-435-11	CARBON	33K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R734	1-249-437-11	CARBON	47K	5%	1/4W
R735	1-249-425-11	CARBON	4.7K	5%	1/4W
R740	1-249-423-11	CARBON	3.3K	5%	1/4W
R741	1-249-417-11	CARBON	1K	5%	1/4W
R742	1-249-429-11	CARBON	10K	5%	1/4W
R743	1-247-903-00	CARBON	1M	5%	1/4W
R744	1-247-887-00	CARBON	220K	5%	1/4W
R745	1-249-429-11	CARBON	10K	5%	1/4W
R746	1-249-437-11	CARBON	47K	5%	1/4W
R747	1-249-417-11	CARBON	1K	5%	1/4W
R748	1-249-429-11	CARBON	10K	5%	1/4W
R749	1-249-429-11	CARBON	10K	5%	1/4W
R750	1-249-413-11	CARBON	470	5%	1/4W
R751	1-249-429-11	CARBON	10K	5%	1/4W
R753	1-249-429-11	CARBON	10K	5%	1/4W
R755	1-249-429-11	CARBON	10K	5%	1/4W
R756	1-249-440-11	CARBON	82K	5%	1/4W
R757	1-249-439-11	CARBON	68K	5%	1/4W
R758	1-249-439-11	CARBON	68K	5%	1/4W
R759	1-249-439-11	CARBON	68K	5%	1/4W
R766	1-249-417-11	CARBON	1K	5%	1/4W
R776	1-249-417-11	CARBON	1K	5%	1/4W
R777	1-249-429-11	CARBON	10K	5%	1/4W
R791	1-249-431-11	CARBON	15K	5%	1/4W
R792	1-249-429-11	CARBON	10K	5%	1/4W
		< VARIABLE RESISTOR >			
RV701	1-241-786-11	RES, ADJ, CARBON 22K			
RV702	1-241-786-11	RES, ADJ, CARBON 22K			
RV703	1-241-783-11	RES, ADJ, CERMET 2.2K			
RV704	1-241-786-11	RES, ADJ, CARBON 22K			
		< VIBRATOR >			
X701	1-579-345-11	VIBRATOR, CERAMIC (16.9344MHz)			
**********					
*	1-659-530-11	CD MOTOR BOARD			
		**********			
		< SWITCH >			
S701	1-571-936-11	SWITCH, LEAF (LIMIT)			
**********					

Ref. No.	Part No.	Description			Remark
*	1-659-527-11	LAMP BOARD			
		**********			
		< PILOT LAMP >			
PL801	1-517-433-11	LAMP, PILOT			
PL802	1-517-433-11	LAMP, PILOT			
PL803	1-517-433-11	LAMP, PILOT			
**********					
*	A-3305-753-A	MAIN BOARD, COMPLETE			(565: US, Canadian/DW565)
*	A-3305-879-A	MAIN BOARD, COMPLETE (567)			
*	A-3305-885-A	MAIN BOARD, COMPLETE (565: AUS)			
		**********			
	1-533-233-11	HOLDER, FUSE			
	1-776-242-11	WIRE, PARALLEL (FFC) (9 CORE)			
	1-776-245-11	WIRE, PARALLEL (FFC) (16 CORE)			
	1-777-054-11	WIRE, PARALLEL (FFC) (7 CORE)			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S			
		< CAPACITOR >			
C2	1-162-294-31	CERAMIC	0.001uF	10%	50V
C3	1-162-306-11	CERAMIC	0.01uF	30%	16V
C4	1-102-959-00	CERAMIC	22PF	5%	50V
C5	1-162-203-31	CERAMIC	15PF	5%	50V
C7	1-161-051-00	CERAMIC	0.01uF	10%	50V
C8	1-162-201-31	CERAMIC	12PF	5%	50V
C9	1-102-820-00	CERAMIC	330PF	5%	50V
C10	1-162-851-11	CERAMIC	0.1uF		16V
C11	1-102-112-00	CERAMIC	330PF	10%	50V
C12	1-124-907-11	ELECT	10uF	20%	50V
C13	1-162-306-11	CERAMIC	0.01uF	30%	16V
C14	1-161-061-11	CERAMIC	0.068uF	10%	50V
C15	1-161-024-00	CERAMIC	0.082uF	10%	25V
C16	1-161-024-00	CERAMIC	0.082uF	10%	25V
C17	1-126-963-11	ELECT	4.7uF	20%	50V
C18	1-104-664-11	ELECT	47uF	20%	16V
C19	1-162-306-11	CERAMIC	0.01uF	30%	16V
C22	1-162-306-11	CERAMIC	0.01uF	30%	16V
C23	1-161-054-00	CERAMIC	0.018uF	10%	25V (US, Canadian, C&SA)
C23	1-162-840-11	CERAMIC	0.012uF	10%	16V (AUS)
C24	1-161-054-00	CERAMIC	0.018uF	10%	25V (US, Canadian, C&SA)
C24	1-162-840-11	CERAMIC	0.012uF	10%	16V (AUS)
C28	1-126-963-11	ELECT	4.7uF	20%	50V
C29	1-126-963-11	ELECT	4.7uF	20%	50V
C44	1-161-051-00	CERAMIC	0.01uF	10%	50V

Ref. No.	Part No.	Description			Remark
C45	1-136-177-00	FILM	1uF	5%	50V
C46	1-124-907-11	ELECT	10uF	20%	50V
C47	1-162-306-11	CERAMIC	0.01uF	30%	16V
C48	1-124-907-11	ELECT	10uF	20%	50V
C49	1-162-306-11	CERAMIC	0.01uF	30%	16V
C50	1-162-294-31	CERAMIC	0.001uF	10%	50V
C51	1-162-294-31	CERAMIC	0.001uF	10%	50V
C53	1-162-294-31	CERAMIC	0.001uF	10%	50V
C54	1-102-518-11	CERAMIC	33PF	5%	50V
C55	1-162-199-31	CERAMIC	10PF	5%	50V
C56	1-162-290-31	CERAMIC	470PF	10%	50V
C57	1-162-286-21	CERAMIC	220PF	10%	50V
C58	1-162-306-11	CERAMIC	0.01uF	30%	16V
C59	1-162-306-11	CERAMIC	0.01uF	30%	16V
C60	1-124-907-11	ELECT	10uF	20%	50V
C62	1-162-282-31	CERAMIC	100PF	10%	50V
C63	1-162-306-11	CERAMIC	0.01uF	30%	16V
C64	1-162-198-31	CERAMIC	8.2PF	10%	50V
C65	1-162-282-31	CERAMIC	100PF	10%	50V
C66	1-161-051-00	CERAMIC	0.01uF	10%	50V
C68	1-162-215-31	CERAMIC	47PF	5%	50V
C69	1-162-306-11	CERAMIC	0.01uF	30%	16V
C71	1-162-294-31	CERAMIC	0.001uF	10%	50V
C74	1-104-664-11	ELECT	47uF	20%	16V
C75	1-136-177-00	FILM	1uF	5%	50V
C76	1-162-294-31	CERAMIC	0.001uF	10%	50V
C81	1-162-294-31	CERAMIC	0.001uF	10%	50V
C82	1-162-294-31	CERAMIC	0.001uF	10%	50V
C83	1-162-282-31	CERAMIC	100PF	10%	50V
C85	1-162-282-31	CERAMIC	100PF	10%	50V
C95	1-104-665-11	ELECT	100uF	20%	16V
C96	1-162-306-11	CERAMIC	0.01uF	30%	16V
C97	1-124-907-11	ELECT	10uF	20%	50V
C98	1-162-294-31	CERAMIC	0.001uF	10%	50V
C114	1-124-903-11	ELECT	1uF	20%	50V
C115	1-126-963-11	ELECT	4.7uF	20%	50V
C116	1-126-963-11	ELECT	4.7uF	20%	50V
C117	1-104-666-11	ELECT	220uF	20%	10V
C118	1-104-665-11	ELECT	100uF	20%	16V
C119	1-124-473-11	ELECT	1000uF	20%	10V
C120	1-136-169-00	FILM	0.22uF	5%	50V
C129	1-162-282-31	CERAMIC	100PF	10%	50V (567)
C130	1-124-903-11	ELECT	1uF	20%	50V (567)
C150	1-162-282-31	CERAMIC	100PF	10%	50V
C151	1-162-282-31	CERAMIC	100PF	10%	50V
C152	1-162-282-31	CERAMIC	100PF	10%	50V

Ref. No.	Part No.	Description			Remark
C155	1-162-282-31	CERAMIC	100PF	10%	50V
C214	1-124-903-11	ELECT	1uF	20%	50V
C215	1-126-963-11	ELECT	4.7uF	20%	50V
C216	1-126-963-11	ELECT	4.7uF	20%	50V
C217	1-104-666-11	ELECT	220uF	20%	10V
C218	1-104-665-11	ELECT	100uF	20%	16V
C219	1-124-473-11	ELECT	1000uF	20%	10V
C220	1-136-169-00	FILM	0.22uF	5%	50V
C229	1-162-282-31	CERAMIC	100PF	10%	50V (567)
C230	1-124-903-11	ELECT	1uF	20%	50V (567)
C250	1-162-282-31	CERAMIC	100PF	10%	50V
C251	1-162-282-31	CERAMIC	100PF	10%	50V
C252	1-162-282-31	CERAMIC	100PF	10%	50V
C255	1-162-282-31	CERAMIC	100PF	10%	50V (567)
C310	1-130-467-00	MYLAR	470PF	5%	50V
C311	1-130-479-00	MYLAR	0.0047uF	5%	50V
C312	1-130-474-00	MYLAR	0.0018uF	5%	50V
C313	1-130-471-00	MYLAR	0.001uF	5%	50V
C314	1-130-478-00	MYLAR	0.0039uF	5%	50V
C315	1-124-902-00	ELECT	0.47uF	20%	50V
C316	1-162-294-31	CERAMIC	0.001uF	10%	50V
C317	1-130-481-00	MYLAR	0.0068uF	5%	50V
C318	1-124-478-11	ELECT	100uF	20%	25V
C320	1-104-664-11	ELECT	47uF	20%	10V
C321	1-126-965-11	ELECT	22uF	20%	50V
C322	1-124-903-11	ELECT	1uF	20%	50V
C323	1-124-903-11	ELECT	1uF	20%	50V
C324	1-162-282-31	CERAMIC	100PF	10%	50V
C325	1-126-963-11	ELECT	4.7uF	20%	50V
C326	1-104-664-11	ELECT	47uF	20%	10V
C327	1-104-664-11	ELECT	47uF	20%	10V
C328	1-126-963-11	ELECT	4.7uF	20%	50V
C329	1-124-907-11	ELECT	10uF	20%	50V
C330	1-126-963-11	ELECT	4.7uF	20%	50V
C331	1-104-665-11	ELECT	100uF	20%	16V
C332	1-104-664-11	ELECT	47uF	20%	10V
C333	1-104-665-11	ELECT	100uF	20%	16V
C334	1-162-306-11	CERAMIC	0.01uF	30%	16V
C336	1-101-005-00	CERAMIC	22000PF		50V
C337	1-101-005-00	CERAMIC	22000PF		50V
C338	1-104-666-11	ELECT	220uF	20%	10V
C339	1-124-120-11	ELECT	220uF	20%	25V
C340	1-101-005-00	CERAMIC	22000PF		50V
C341	1-136-177-00	FILM	1uF	5%	50V
C342	1-104-665-11	ELECT	100uF	20%	16V
C343	1-101-005-00	CERAMIC	22000PF		50V

MAIN

Ref. No.	Part No.	Description			Remark
C344	1-101-005-00	CERAMIC	22000PF		50V
C345	1-124-564-11	ELECT	4700uF	20%	25V
C346	1-124-907-11	ELECT	10uF	20%	50V (567)
C347	1-104-664-11	ELECT	47uF	20%	16V
C350	1-104-664-11	ELECT	47uF	20%	10V
C358	1-162-306-11	CERAMIC	0.01uF	30%	16V
C359	1-162-851-11	CERAMIC	0.1uF		16V
C360	1-124-907-11	ELECT	10uF	20%	50V
C370	1-162-306-11	CERAMIC	0.01uF	30%	16V
C371	1-162-294-31	CERAMIC	0.001uF	10%	50V
C372	1-162-282-31	CERAMIC	100PF	10%	50V
C373	1-162-282-31	CERAMIC	100PF	10%	50V
C377	1-162-282-31	CERAMIC	100PF	10%	50V
C380	1-126-956-11	ELECT	0.1uF	20%	50V
C381	1-162-851-11	CERAMIC	0.1uF		16V
C382	1-161-051-00	CERAMIC	0.01uF	10%	50V
C801	1-104-664-11	ELECT	47uF	20%	10V
C802	1-136-165-00	FILM	0.1uF	5%	50V
C803	1-104-664-11	ELECT	47uF	20%	10V
C804	1-136-165-00	FILM	0.1uF	5%	50V
C805	1-102-961-00	CERAMIC	27PF	5%	50V
C806	1-102-961-00	CERAMIC	27PF	5%	50V
C807	1-102-959-00	CERAMIC	22PF	5%	50V
C808	1-102-959-00	CERAMIC	22PF	5%	50V
C809	1-162-851-11	CERAMIC	0.1uF		16V
C810	1-162-851-11	CERAMIC	0.1uF		16V
C811	1-162-851-11	CERAMIC	0.1uF		16V
C812	1-104-664-11	ELECT	47uF	20%	10V
C813	1-162-851-11	CERAMIC	0.1uF		16V
C814	1-104-664-11	ELECT	47uF	20%	10V
C815	1-136-165-00	FILM	0.1uF	5%	50V
C816	1-104-664-11	ELECT	47uF	20%	10V
C817	1-136-165-00	FILM	0.1uF	5%	50V
		< FILTER >			
CF1	1-760-127-11	FILTER, CERAMIC			
CF2	1-760-127-11	FILTER, CERAMIC			
CF3	1-760-127-11	FILTER, CERAMIC			
CF4	1-579-762-11	VIBRATOR, CERAMIC			
		< COMPOSITION CIRCUIT BLOCK >			
CFT1	1-239-173-11	ENCAPSULATED COMPONENT			
		< CONNECTOR >			
CN305	1-695-330-31	HOUSING, CONNECTOR 7P			
CN306	1-691-041-21	HOUSING, CONNECTOR 9P			
CN308	1-569-933-11	HOUSING, CONNECTOR 16P			
CN309	1-691-060-11	HOUSING, CONNECTOR 28P			

Ref. No.	Part No.	Description	Remark
CN310	1-691-046-21	HOUSING, CONNECTOR 14P	
* CN311	1-580-154-11	PIN, CONNECTOR (PC BOARD) 2P	
		< TRIMMER >	
CT1	1-141-411-11	CAP, ADJ 20PF	
CT2	1-141-411-11	CAP, ADJ 20PF	
		< DIODE >	
D1	8-719-050-72	DIODE KV1370NT	
D2	8-719-050-72	DIODE KV1370NT	
D3	8-719-050-69	DIODE KV1520N	
D6	8-719-991-33	DIODE 1SS133T-77	
D7	8-719-991-33	DIODE 1SS133T-77	
D8	8-719-991-33	DIODE 1SS133T-77	
D306	8-719-991-33	DIODE 1SS133T-77	
D307	8-719-991-33	DIODE 1SS133T-77	
D308	8-719-991-33	DIODE 1SS133T-77	
D309	8-719-110-14	DIODE RD9.1ES-B3	
D310	8-719-110-08	DIODE RD8.2ES-B2	
D311	8-719-109-89	DIODE RD5.6ESB2	
D318	8-719-991-33	DIODE 1SS133T-77	
D319	8-719-991-33	DIODE 1SS133T-77	
D320	8-719-991-33	DIODE 1SS133T-77	
D801	8-719-991-33	DIODE 1SS133T-77	
D807	8-719-991-33	DIODE 1SS133T-77	
D808	8-719-991-33	DIODE 1SS133T-77	
		< FILTER >	
FL1	1-236-711-21	FILTER, BAND PASS	
		< IC >	
IC1	8-759-386-02	IC TA2008AN	
IC3	8-759-333-33	IC BU2614	
IC303	8-759-145-58	IC uPC4558C	
IC304	8-752-067-34	IC CXA1352AS	
IC305	8-759-820-22	IC LA4597	
IC306	8-759-000-48	IC MC14052BCP	
IC307	8-759-095-60	IC S-81250PG	
IC308	8-759-145-58	IC uPC4558C (567)	
IC801	8-759-388-19	IC MSM65353-025GS-BK4	
IC802	8-759-249-81	IC S-806J	
IC803	8-759-179-74	IC M62354P	
		< JACK >	
J301	1-750-184-11	JACK, MICROPHONE (MIC MIX)	
J302	1-568-267-11	JACK (PHONES)	
J303	1-537-330-11	TERMINAL BOARD (SPEAKER OUTPUT)	

Ref. No.	Part No.	Description	Remark
		< COIL >	
L1	1-409-905-11	COIL, FM RF	
L2	1-409-905-11	COIL, FM RF	
L3	1-501-762-11	ANTENNA, FERRITE-ROD (MW)	
L4	1-411-234-11	COIL, AM OSC	
L5	1-410-336-11	INDUCTOR 220uH	
L6	1-410-336-11	INDUCTOR 220uH	
L7	1-410-521-11	INDUCTOR 100uH	
L8	1-410-509-11	INDUCTOR 10uH	
L301	1-414-142-11	INDUCTOR 1uH	
L302	1-414-146-31	INDUCTOR 2.2uH	
L303	1-414-146-31	INDUCTOR 2.2uH	
L801	1-410-521-11	INDUCTOR 100uH	
L802	1-410-509-11	INDUCTOR 10uH	
L803	1-410-521-11	INDUCTOR 100uH	
L804	1-410-509-11	INDUCTOR 10uH	
L805	1-410-509-11	INDUCTOR 10uH	
		< TRANSISTOR >	
Q1	8-729-036-77	TRANSISTOR KRC107M-AT	
Q2	8-729-036-77	TRANSISTOR KRC107M-AT	
Q3	8-729-036-77	TRANSISTOR KRC107M-AT	
Q4	8-729-036-77	TRANSISTOR KRC107M-AT	
Q10	8-729-036-77	TRANSISTOR KRC107M-AT	
Q11	8-729-036-77	TRANSISTOR KRC107M-AT	
Q13	8-729-037-29	TRANSISTOR KRA102M-AT	
Q14	8-729-036-77	TRANSISTOR KRC107M-AT	
Q15	8-729-037-29	TRANSISTOR KRA102M-AT	
Q16	8-729-012-83	TRANSISTOR 2SK679A	
Q18	8-729-922-66	TRANSISTOR 2SC2410SN	
Q19	8-729-106-07	TRANSISTOR 2SK514-H	
Q102	8-729-905-50	TRANSISTOR DTC343TS	
Q202	8-729-905-50	TRANSISTOR DTC343TS	
Q301	8-729-142-46	TRANSISTOR 2SC2001-LK	
Q302	8-729-801-84	TRANSISTOR 2SB1013-4	
Q303	8-729-036-77	TRANSISTOR KRC107M-AT	
Q311	8-729-905-50	TRANSISTOR DTC343TS	
Q312	8-729-036-77	TRANSISTOR KRC107M-AT	
Q313	8-729-920-94	TRANSISTOR DTA123YS	
Q314	8-729-037-34	TRANSISTOR KRA107M-AT	
Q316	8-729-209-15	TRANSISTOR 2SD2012	
Q317	8-729-209-15	TRANSISTOR 2SD2012	
Q318	8-729-142-46	TRANSISTOR 2SC2001-LK	
Q319	8-729-037-34	TRANSISTOR KRA107M-AT	
Q320	8-729-901-40	TRANSISTOR 2SC1740S-Q	
Q321	8-729-036-77	TRANSISTOR KRC107M-AT	
Q322	8-729-142-46	TRANSISTOR 2SC2001-LK	
Q323	8-729-801-84	TRANSISTOR 2SB1013-4	
Q325	8-729-920-94	TRANSISTOR DTA123YS	
Q326	8-729-115-30	TRANSISTOR 2SK105A-30 (567)	
Q327	8-729-036-77	TRANSISTOR KRC107M-AT	
Q328	8-729-036-77	TRANSISTOR KRC107M-AT	
Q329	8-729-119-78	TRANSISTOR 2SC403SP-51	
Q330	8-729-037-34	TRANSISTOR KRA107M-AT	
		< RESISTOR >	
R1	1-249-441-11	CARBON 100K 5% 1/4W	
R2	1-247-887-00	CARBON 220K 5% 1/4W	
R3	1-249-431-11	CARBON 15K 5% 1/4W	
R4	1-249-429-11	CARBON 10K 5% 1/4W	
R6	1-247-887-00	CARBON 220K 5% 1/4W	
R7	1-249-411-11	CARBON 330 5% 1/4W	
R8	1-247-863-11	CARBON 22K 5% 1/4W	
R9	1-249-421-11	CARBON 2.2K 5% 1/4W	
R10	1-249-425-11	CARBON 4.7K 5% 1/4W	
R11	1-249-409-11	CARBON 220 5% 1/4W	
R14	1-249-404-00	CARBON 82 5% 1/4W	
R25	1-249-429-11	CARBON 10K 5% 1/4W	
R26	1-249-425-11	CARBON 4.7K 5% 1/4W	
R27	1-249-429-11	CARBON 10K 5% 1/4W	
R28	1-249-429-11	CARBON 10K 5% 1/4W	
R29	1-249-415-11	CARBON 680 5% 1/4W	
R30	1-249-412-11	CARBON 390 5% 1/4W	
R35	1-249-421-11	CARBON 2.2K 5% 1/4W	
R37	1-249-429-11	CARBON 10K 5% 1/4W	
R38	1-249-429-11	CARBON 10K 5% 1/4W	
R39	1-249-429-11	CARBON 10K 5% 1/4W	
R40	1-249-417-11	CARBON 1K 5% 1/4W	
R41	1-249-417-11	CARBON 1K 5% 1/4W	
R42	1-249-425-11	CARBON 4.7K 5% 1/4W	
R43	1-249-437-11	CARBON 47K 5% 1/4W	
R44	1-249-429-11	CARBON 10K 5% 1/4W	
R46	1-247-863-11	CARBON 22K 5% 1/4W	
R48	1-249-432-11	CARBON 18K 5% 1/4W	
R49	1-249-432-11	CARBON 18K 5% 1/4W	
R55	1-249-421-11	CARBON 2.2K 5% 1/4W	
R56	1-249-407-11	CARBON 150 5% 1/4W	
R57	1-249-399-11	CARBON 33 5% 1/4W	
R58	1-249-411-11	CARBON 330 5% 1/4W	
R59	1-249-437-11	CARBON 47K 5% 1/4W	
R60	1-249-425-11	CARBON 4.7K 5% 1/4W	
R61	1-249-437-11	CARBON 47K 5% 1/4W	
R66	1-249-437-11	CARBON 47K 5% 1/4W	
R67	1-249-417-11	CARBON 1K 5% 1/4W	
R68	1-249-429-11	CARBON 10K 5% 1/4W (US, Canadian, C&SA)	

MAIN

Ref. No.	Part No.	Description			Remark
R110	1-249-429-11	CARBON	10K	5%	1/4W
R114	1-249-438-11	CARBON	56K	5%	1/4W
R118	1-247-850-11	CARBON	6.2K	5%	1/4W
R119	1-249-429-11	CARBON	10K	5%	1/4W
R120	1-249-440-11	CARBON	82K	5%	1/4W
R121	1-249-431-11	CARBON	15K	5%	1/4W
R122	1-249-428-11	CARBON	8.2K	5%	1/4W
R124	1-249-429-11	CARBON	10K	5%	1/4W
R125	1-249-418-11	CARBON	1.2K	5%	1/4W
R126	1-249-406-11	CARBON	120	5%	1/4W
R129	1-249-421-11	CARBON	2.2K	5%	1/4W (567)
R130	1-249-385-11	CARBON	2.2	5%	1/6W
R131	1-249-429-11	CARBON	10K	5%	1/4W (567)
R132	1-249-437-11	CARBON	47K	5%	1/4W (567)
R210	1-249-429-11	CARBON	10K	5%	1/4W
R214	1-249-438-11	CARBON	56K	5%	1/4W
R218	1-247-850-11	CARBON	6.2K	5%	1/4W
R219	1-249-429-11	CARBON	10K	5%	1/4W
R220	1-249-440-11	CARBON	82K	5%	1/4W
R221	1-249-431-11	CARBON	15K	5%	1/4W
R222	1-249-428-11	CARBON	8.2K	5%	1/4W
R224	1-249-429-11	CARBON	10K	5%	1/4W
R225	1-249-418-11	CARBON	1.2K	5%	1/4W
R226	1-249-406-11	CARBON	120	5%	1/4W
R229	1-249-421-11	CARBON	2.2K	5%	1/4W (567)
R230	1-249-385-11	CARBON	2.2	5%	1/6W
R231	1-249-429-11	CARBON	10K	5%	1/4W (567)
R232	1-249-437-11	CARBON	47K	5%	1/4W (567)
R300	1-249-421-11	CARBON	2.2K	5%	1/4W (567)
R311	1-249-423-11	CARBON	3.3K	5%	1/4W
R312	1-249-401-11	CARBON	47	5%	1/4W
R313	1-249-441-11	CARBON	100K	5%	1/4W
R314	1-249-437-11	CARBON	47K	5%	1/4W
R315	1-249-418-11	CARBON	1.2K	5%	1/4W
R316	1-249-393-11	CARBON	10	5%	1/4W
R317	1-249-397-11	CARBON	22	5%	1/4W
R318	1-247-807-11	CARBON	100	5%	1/4W
R320	1-249-401-11	CARBON	47	5%	1/4W
R329	1-249-417-11	CARBON	1K	5%	1/4W
R330	1-249-437-11	CARBON	47K	5%	1/4W
R331	1-249-425-11	CARBON	4.7K	5%	1/4W
R332	1-249-419-11	CARBON	1.5K	5%	1/4W
R333	1-249-439-11	CARBON	68K	5%	1/4W
R334	1-249-437-11	CARBON	47K	5%	1/4W
R335	1-249-441-11	CARBON	100K	5%	1/4W
R336	1-249-429-11	CARBON	10K	5%	1/4W
R337	1-249-429-11	CARBON	10K	5%	1/4W
R338	1-247-807-11	CARBON	100	5%	1/4W
R339	1-249-401-11	CARBON	47	5%	1/4W
R340	1-249-401-11	CARBON	47	5%	1/4W
R341	1-249-417-11	CARBON	1K	5%	1/4W
R342	1-247-884-11	CARBON	160K	5%	1/4W
R343	1-249-437-11	CARBON	47K	5%	1/4W
R345	1-249-437-11	CARBON	47K	5%	1/4W
R346	1-249-437-11	CARBON	47K	5%	1/4W
R347	1-249-429-11	CARBON	10K	5%	1/4W
R348	1-247-807-11	CARBON	100	5%	1/4W
R349	1-249-413-11	CARBON	470	5%	1/4W
R350	1-249-407-11	CARBON	150	5%	1/4W
R351	1-249-429-11	CARBON	10K	5%	1/4W (567)
R352	1-249-429-11	CARBON	10K	5%	1/4W (567)
R353	1-249-418-11	CARBON	1.2K	5%	1/4W
R355	1-249-429-11	CARBON	10K	5%	1/4W
R359	1-247-885-00	CARBON	180K	5%	1/4W
R360	1-249-429-11	CARBON	10K	5%	1/4W
R361	1-247-895-00	CARBON	470K	5%	1/4W
R362	1-247-895-00	CARBON	470K	5%	1/4W
R363	1-249-437-11	CARBON	47K	5%	1/4W
R364	1-249-437-11	CARBON	47K	5%	1/4W
R365	1-249-429-11	CARBON	10K	5%	1/4W
R367	1-249-441-11	CARBON	100K	5%	1/4W
R801	1-249-425-11	CARBON	4.7K	5%	1/4W
R802	1-249-417-11	CARBON	1K	5%	1/4W
R803	1-249-417-11	CARBON	1K	5%	1/4W
R804	1-249-417-11	CARBON	1K	5%	1/4W
R805	1-249-425-11	CARBON	4.7K	5%	1/4W
R806	1-249-425-11	CARBON	4.7K	5%	1/4W
R807	1-249-425-11	CARBON	4.7K	5%	1/4W
R808	1-249-425-11	CARBON	4.7K	5%	1/4W
R809	1-249-415-11	CARBON	680	5%	1/4W
R811	1-247-895-00	CARBON	470K	5%	1/4W
R812	1-249-425-11	CARBON	4.7K	5%	1/4W
R814	1-249-441-11	CARBON	100K	5%	1/4W
R815	1-249-441-11	CARBON	100K	5%	1/4W (US, Canadian, C&SA)
R816	1-249-417-11	CARBON	1K	5%	1/4W
R818	1-249-417-11	CARBON	1K	5%	1/4W
R819	1-249-417-11	CARBON	1K	5%	1/4W
R820	1-249-417-11	CARBON	1K	5%	1/4W
R822	1-249-417-11	CARBON	1K	5%	1/4W
R823	1-249-417-11	CARBON	1K	5%	1/4W
R824	1-249-417-11	CARBON	1K	5%	1/4W
R825	1-249-429-11	CARBON	10K	5%	1/4W
R826	1-249-417-11	CARBON	1K	5%	1/4W
R827	1-249-417-11	CARBON	1K	5%	1/4W
R828	1-249-417-11	CARBON	1K	5%	1/4W
R829	1-249-417-11	CARBON	1K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R830	1-249-417-11	CARBON	1K	5%	1/4W
R831	1-249-417-11	CARBON	1K	5%	1/4W
R832	1-249-417-11	CARBON	1K	5%	1/4W
R833	1-249-417-11	CARBON	1K	5%	1/4W
R834	1-249-417-11	CARBON	1K	5%	1/4W
R835	1-249-417-11	CARBON	1K	5%	1/4W
R837	1-249-429-11	CARBON	10K	5%	1/4W
R838	1-249-417-11	CARBON	1K	5%	1/4W
R839	1-249-417-11	CARBON	1K	5%	1/4W
R840	1-249-417-11	CARBON	1K	5%	1/4W
R841	1-249-429-11	CARBON	10K	5%	1/4W
R842	1-249-417-11	CARBON	1K	5%	1/4W
R843	1-249-417-11	CARBON	1K	5%	1/4W
R844	1-249-417-11	CARBON	1K	5%	1/4W
R845	1-249-437-11	CARBON	47K	5%	1/4W
R846	1-249-437-11	CARBON	47K	5%	1/4W
R847	1-249-437-11	CARBON	47K	5%	1/4W
R848	1-249-441-11	CARBON	100K	5%	1/4W
R849	1-249-413-11	CARBON	470	5%	1/4W
R850	1-249-429-11	CARBON	10K	5%	1/4W
R851	1-249-429-11	CARBON	10K	5%	1/4W
R853	1-249-429-11	CARBON	10K	5%	1/4W
R874	1-249-429-11	CARBON	10K	5%	1/4W
R875	1-249-429-11	CARBON	10K	5%	1/4W
R876	1-249-429-11	CARBON	10K	5%	1/4W
R877	1-249-429-11	CARBON	10K	5%	1/4W
R878	1-249-429-11	CARBON	10K	5%	1/4W
R879	1-249-429-11	CARBON	10K	5%	1/4W
R880	1-249-429-11	CARBON	10K	5%	1/4W
R881	1-249-429-11	CARBON	10K	5%	1/4W
R882	1-249-429-11	CARBON	10K	5%	1/4W
R883	1-249-429-11	CARBON	10K	5%	1/4W
R884	1-249-429-11	CARBON	10K	5%	1/4W
R885	1-249-429-11	CARBON	10K	5%	1/4W
R886	1-249-429-11	CARBON	10K	5%	1/4W
R887	1-249-429-11	CARBON	10K	5%	1/4W
R888	1-249-429-11	CARBON	10K	5%	1/4W
R889	1-249-429-11	CARBON	10K	5%	1/4W
R890	1-249-429-11	CARBON	10K	5%	1/4W
R891	1-249-429-11	CARBON	10K	5%	1/4W
R892	1-249-429-11	CARBON	10K	5%	1/4W
R893	1-249-429-11	CARBON	10K	5%	1/4W
R894	1-249-429-11	CARBON	10K	5%	1/4W
R895	1-249-429-11	CARBON	10K	5%	1/4W
R896	1-249-429-11	CARBON	10K	5%	1/4W
R897	1-249-429-11	CARBON	10K	5%	1/4W
R898	1-249-429-11	CARBON	10K	5%	1/4W
R899	1-249-429-11	CARBON	10K	5%	1/4W
R900	1-249-417-11	CARBON	1K	5%	1/4W
R901	1-249-417-11	CARBON	1K	5%	1/4W
R902	1-249-417-11	CARBON	1K	5%	1/4W
R903	1-249-429-11	CARBON	10K	5%	1/4W
R904	1-247-895-00	CARBON	470K	5%	1/4W
R905	1-247-895-00	CARBON	470K	5%	1/4W
R906	1-249-441-11	CARBON	100K	5%	1/4W
R907	1-249-421-11	CARBON	2.2K	5%	1/4W
⚠RF301	1-211-757-11	FUSIBLE	1	5%	1/2W F
⚠RF302	1-211-757-11	FUSIBLE	1	5%	1/2W F
		< VARIABLE RESISTOR >			
RV300	1-238-544-31	RES, ADJ, CARBON 1K			
RV301	1-225-176-11	RES, VAR, CARBON 50K (100Hz)			
RV302	1-225-176-11	RES, VAR, CARBON 50K (400Hz)			
RV303	1-225-176-11	RES, VAR, CARBON 50K (1kHz)			
RV304	1-225-176-11	RES, VAR, CARBON 50K (4kHz)			
RV305	1-225-176-11	RES, VAR, CARBON 50K (10kHz)			
		< SWITCH >			
S301	1-571-307-11	SWITCH, SLIDE (ISS)			
		< TRANSFORMER >			
T301	1-433-372-21	TRANSFORMER, BIAS OSCILLATION			
		< VIBRATOR >			
X1	1-760-130-11	VIBRATOR, CRYSTAL (75.0kHz)			
X801	1-579-901-11	OSCILLATOR, CERAMIC (32.76kHz)			
X802	1-760-105-11	VIBRATOR, CRYSTAL (32.768MHz)			
**********					
*	1-659-528-11	POWER BOARD			
		**********			
	1-533-233-11	HOLDER, FUSE			
		< CAPACITOR >			
C901	1-101-005-00	CERAMIC	22000PF		50V
C902	1-101-005-00	CERAMIC	22000PF		50V
C903	1-101-005-00	CERAMIC	22000PF		50V
C904	1-101-005-00	CERAMIC	22000PF		50V
C905	1-162-851-11	CERAMIC	0.1uF		16V
		< CONNECTOR >			
* CN901	1-564-507-11	PLUG, CONNECTOR 4P			
* CN902	1-564-518-11	PLUG, CONNECTOR 3P			

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POWER SWITCH

Ref. No.	Part No.	Description	Remark
		< DIODE >	
D901	8-719-046-07	DIODE 2A02M	
D902	8-719-046-07	DIODE 2A02M	
D903	8-719-046-07	DIODE 2A02M	
D904	8-719-046-07	DIODE 2A02M	
D905	8-719-991-33	DIODE 1SS133T-77	
D906	8-719-991-33	DIODE 1SS133T-77	
		< FUSE >	
⚠F901	1-532-299-00	FUSE, TIME-LAG (5A 250V) (AUS)	
⚠F901	1-533-420-11	FUSE, GLASS CYLINDRICAL (5A 125V) (US, Canadian, C&SA)	
		< AC INLET >	
⚠J901	1-526-838-11	INLET, AC 2P (~ AC IN) (AUS)	
⚠J901	1-540-009-11	INLET, AC (~ AC IN)(US, Canadian, C&SA)	
		< POWER TRANSFORMER >	
⚠T901	1-429-401-11	TRANSFORMER, POWER (US, Canadian, C&SA)	
⚠T901	1-429-402-11	TRANSFORMER, POWER (AUS)	
**********			
*	A-3305-750-A	SWITCH BOARD, COMPLETE (565/DW565)	
*	A-3305-901-A	SWITCH BOARD, COMPLETE (567)	
		**********	
	1-776-243-11	WIRE, PARALLEL (FFC) (28 CORE)	
	1-776-244-11	WIRE, PARALLEL (FFC) (14 CORE)	
	3-935-468-01	HOLDER, LCD	
	3-935-469-01	ILLUMINATOR (LCD)	
	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
		< CONNECTOR >	
CN801	1-691-060-11	HOUSING, CONNECTOR 28P	
CN802	1-691-046-21	HOUSING, CONNECTOR 14P	
		< DIODE >	
D802	8-719-987-04	DIODE SLR34VR70F-150 (OPR/BATT)	
D804	8-719-059-66	DIODE SLB-25MGTE7 (TAPE)	
D805	8-719-059-66	DIODE SLB-25MGTE7 (RADIO)	
D806	8-719-059-66	DIODE SLB-25MGTE7 (CD)	
		< IC >	
IC804	8-741-815-51	IC SBX1815-51	
		< LIQUID CRYSTAL DISPLAY >	
LCD801	1-801-223-11	DISPLAY PANEL, LIQUID CRYSTAL	
		< RESISTOR >	
R817	1-249-427-11	CARBON 6.8K 5% 1/4W	(567)
R836	1-249-410-11	CARBON 270 5% 1/4W	
R852	1-249-407-11	CARBON 150 5% 1/4W	
R855	1-249-415-11	CARBON 680 5% 1/4W	
R856	1-249-416-11	CARBON 820 5% 1/4W	
R857	1-249-418-11	CARBON 1.2K 5% 1/4W	
R858	1-249-420-11	CARBON 1.8K 5% 1/4W	
R859	1-249-415-11	CARBON 680 5% 1/4W	
R860	1-249-416-11	CARBON 820 5% 1/4W	
R861	1-249-418-11	CARBON 1.2K 5% 1/4W	
R862	1-249-420-11	CARBON 1.8K 5% 1/4W	
R863	1-249-423-11	CARBON 3.3K 5% 1/4W	
R864	1-249-415-11	CARBON 680 5% 1/4W	
R865	1-249-416-11	CARBON 820 5% 1/4W	
R866	1-249-418-11	CARBON 1.2K 5% 1/4W	
R867	1-249-420-11	CARBON 1.8K 5% 1/4W	
R868	1-249-423-11	CARBON 3.3K 5% 1/4W	
R869	1-249-415-11	CARBON 680 5% 1/4W	
R870	1-249-416-11	CARBON 820 5% 1/4W	
R871	1-249-418-11	CARBON 1.2K 5% 1/4W	
R872	1-249-420-11	CARBON 1.8K 5% 1/4W	
R873	1-249-423-11	CARBON 3.3K 5% 1/4W	
		< SWITCH >	
S801	1-572-199-11	SWITCH, KEYBOARD (BAND)	
S802	1-572-199-11	SWITCH, KEYBOARD (CLOCK)	
S803	1-572-199-11	SWITCH, KEYBOARD (TIMER)	
S804	1-572-199-11	SWITCH, KEYBOARD (STANDBY)	
S805	1-572-199-11	SWITCH, KEYBOARD (TUNING +)	
S806	1-572-199-11	SWITCH, KEYBOARD (TUNING -)	
S807	1-572-199-11	SWITCH, KEYBOARD (CD)	
S808	1-572-199-11	SWITCH, KEYBOARD (RADIO)	
S809	1-572-199-11	SWITCH, KEYBOARD (TAPE)	
S810	1-572-199-11	SWITCH, KEYBOARD (PRESET +)	
S811	1-572-199-11	SWITCH, KEYBOARD (PRESET -)	
S812	1-572-199-11	SWITCH, KEYBOARD (▶II)	
S813	1-572-199-11	SWITCH, KEYBOARD (■)	
S814	1-572-199-11	SWITCH, KEYBOARD (AMS/SEARCH I◀◀)	
S815	1-572-199-11	SWITCH, KEYBOARD (AMS/SEARCH ▶▶I)	
S816	1-572-199-11	SWITCH, KEYBOARD (VOLUME -)	
S817	1-572-199-11	SWITCH, KEYBOARD (VOLUME +)	
S818	1-572-199-11	SWITCH, KEYBOARD (POWER)	
S819	1-572-199-11	SWITCH, KEYBOARD (SLEEP)	
S820	1-572-199-11	SWITCH, KEYBOARD (DISPLAY)	
S821	1-572-199-11	SWITCH, KEYBOARD (PLAY MODE)	
S822	1-572-199-11	SWITCH, KEYBOARD (SURROUND) (567)	
**********			

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Ref. No.	Part No.	Description			Remark
*	A-3305-749-A	TC BOARD, COMPLETE (565: US, Canadian/DW565)			
*	A-3305-877-A	TC BOARD, COMPLETE (567)			
*	A-3305-884-A	TC BOARD, COMPLETE (565: AUS)			
		**********			
		< CAPACITOR >			
C101	1-162-291-31	CERAMIC	560PF	10%	50V
C102	1-162-291-31	CERAMIC	560PF	10%	50V
C103	1-162-286-21	CERAMIC	220PF	10%	50V
C104	1-162-286-21	CERAMIC	220PF	10%	50V
C105	1-130-486-00	MYLAR	0.018uF	10%	50V
C106	1-104-664-11	ELECT	47uF	20%	10V
C107	1-124-903-11	ELECT	1uF	20%	50V
C108	1-104-664-11	ELECT	47uF	20%	10V
C109	1-124-903-11	ELECT	1uF	20%	50V
C110	1-124-903-11	ELECT	1uF	20%	50V
C111	1-162-292-31	CERAMIC	680PF	10%	50V
C112	1-162-288-31	CERAMIC	330PF	10%	50V
C113	1-162-294-31	CERAMIC	0.001uF	10%	50V
C121	1-162-294-31	CERAMIC	0.001uF	10%	50V
C153	1-162-282-31	CERAMIC	100PF	10%	50V
C154	1-162-282-31	CERAMIC	100PF	10%	50V
C201	1-162-291-31	CERAMIC	560PF	10%	50V
C202	1-162-291-31	CERAMIC	560PF	10%	50V
C203	1-162-286-21	CERAMIC	220PF	10%	50V
C204	1-162-286-21	CERAMIC	220PF	10%	50V
C205	1-130-486-00	MYLAR	0.018uF	10%	50V
C206	1-104-664-11	ELECT	47uF	20%	10V
C207	1-124-903-11	ELECT	1uF	20%	50V
C208	1-104-664-11	ELECT	47uF	20%	10V
C209	1-124-903-11	ELECT	1uF	20%	50V
C210	1-124-903-11	ELECT	1uF	20%	50V
C211	1-162-292-31	CERAMIC	680PF	10%	50V
C212	1-162-288-31	CERAMIC	330PF	10%	50V
C213	1-162-294-31	CERAMIC	0.001uF	10%	50V
C221	1-162-294-31	CERAMIC	0.001uF	10%	50V
C253	1-162-282-31	CERAMIC	100PF	10%	50V
C254	1-162-282-31	CERAMIC	100PF	10%	50V
C301	1-124-443-00	ELECT	100uF	20%	10V
C302	1-104-664-11	ELECT	47uF	20%	10V
C303	1-104-666-11	ELECT	220uF	20%	10V
C304	1-124-443-00	ELECT	100uF	20%	10V
C305	1-126-961-11	ELECT	2.2uF	20%	50V
C306	1-162-282-31	CERAMIC	100PF	10%	50V
C307	1-124-443-00	ELECT	100uF	20%	10V
C308	1-104-663-11	ELECT	33uF	20%	16V
C309	1-126-965-11	ELECT	22uF	20%	50V
C351	1-126-935-11	ELECT	470uF	20%	16V
C352	1-124-907-11	ELECT	10uF	20%	50V

Ref. No.	Part No.	Description			Remark
C353	1-136-177-00	FILM	1uF	5%	50V
		< CONNECTOR >			
CN301	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P			
CN302	1-774-958-11	PIN, CONNECTOR (PC BOARD) 12P			
CN303	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P			
CN304	1-506-987-11	PIN, CONNECTOR (PC BOARD) 5P			
CN307	1-569-933-11	HOUSING, CONNECTOR 16P			
		< DIODE >			
D101	8-719-991-33	DIODE 1SS133T-77			
D201	8-719-991-33	DIODE 1SS133T-77			
D303	8-719-991-33	DIODE 1SS133T-77			
D312	8-719-991-33	DIODE 1SS133T-77			
D313	8-719-991-33	DIODE 1SS133T-77			
D314	8-719-991-33	DIODE 1SS133T-77			
D315	8-719-991-33	DIODE 1SS133T-77			
D316	8-719-991-33	DIODE 1SS133T-77			
D317	8-719-991-33	DIODE 1SS133T-77			
		< IC >			
IC301	8-759-143-54	IC uPC1330HA			
IC302	8-759-242-58	IC TA8189N			
		< COIL >			
L101	1-410-776-11	INDUCTOR 12mH			
L201	1-410-776-11	INDUCTOR 12mH			
		< TRANSISTOR >			
Q101	8-729-036-77	TRANSISTOR KRC107M-AT			
Q201	8-729-036-77	TRANSISTOR KRC107M-AT			
Q304	8-729-036-77	TRANSISTOR KRC107M-AT			
Q305	8-729-801-84	TRANSISTOR 2SB1013-4			
Q306	8-729-036-77	TRANSISTOR KRC107M-AT			
Q307	8-729-036-77	TRANSISTOR KRC107M-AT			
Q308	8-729-115-30	TRANSISTOR 2SK105A-30			
Q309	8-729-036-77	TRANSISTOR KRC107M-AT			
Q310	8-729-036-77	TRANSISTOR KRC107M-AT			
Q324	8-729-036-77	TRANSISTOR KRC107M-AT			
		< RESISTOR >			
R101	1-249-417-11	CARBON	1K	5%	1/4W
R102	1-249-417-11	CARBON	1K	5%	1/4W
R103	1-247-807-11	CARBON	100	5%	1/4W
R104	1-247-885-00	CARBON	180K	5%	1/4W
R105	1-249-427-11	CARBON	6.8K	5%	1/4W
R106	1-249-427-11	CARBON	6.8K	5%	1/4W
R107	1-247-885-00	CARBON	180K	5%	1/4W
R108	1-247-890-11	CARBON	300K	5%	1/4W
R109	1-249-407-11	CARBON	150	5%	1/4W

TC

Ref. No.	Part No.	Description			Remark
R111	1-249-429-11	CARBON	10K	5%	1/4W
R112	1-249-421-11	CARBON	2.2K	5%	1/4W
R113	1-249-420-11	CARBON	1.8K	5%	1/4W
R115	1-249-421-11	CARBON	2.2K	5%	1/4W
R116	1-247-860-11	CARBON	16K	5%	1/4W
R117	1-249-423-11	CARBON	3.3K	5%	1/4W
R127	1-249-441-11	CARBON	100K	5%	1/4W
R201	1-249-417-11	CARBON	1K	5%	1/4W
R202	1-249-417-11	CARBON	1K	5%	1/4W
R203	1-247-807-11	CARBON	100	5%	1/4W
R204	1-247-885-00	CARBON	180K	5%	1/4W
R205	1-249-427-11	CARBON	6.8K	5%	1/4W
R206	1-249-427-11	CARBON	6.8K	5%	1/4W
R207	1-247-885-00	CARBON	180K	5%	1/4W
R208	1-247-890-11	CARBON	300K	5%	1/4W
R209	1-249-407-11	CARBON	150	5%	1/4W
R211	1-249-429-11	CARBON	10K	5%	1/4W
R212	1-249-421-11	CARBON	2.2K	5%	1/4W
R213	1-249-420-11	CARBON	1.8K	5%	1/4W
R215	1-249-421-11	CARBON	2.2K	5%	1/4W
R216	1-247-860-11	CARBON	16K	5%	1/4W
R217	1-249-423-11	CARBON	3.3K	5%	1/4W
R227	1-249-441-11	CARBON	100K	5%	1/4W
R301	1-249-425-11	CARBON	4.7K	5%	1/4W
R302	1-247-807-11	CARBON	100	5%	1/4W
R303	1-249-423-11	CARBON	3.3K	5%	1/4W
R304	1-247-903-00	CARBON	1M	5%	1/4W
R305	1-249-393-11	CARBON	10	5%	1/4W
R306	1-249-423-11	CARBON	3.3K	5%	1/4W
R307	1-249-437-11	CARBON	47K	5%	1/4W
R308	1-249-425-11	CARBON	4.7K	5%	1/4W
R309	1-247-863-11	CARBON	22K	5%	1/4W
R310	1-249-425-11	CARBON	4.7K	5%	1/4W
R319	1-249-421-11	CARBON	2.2K	5%	1/4W
R321	1-247-885-00	CARBON	180K	5%	1/4W
R322	1-247-885-00	CARBON	180K	5%	1/4W
R323	1-249-425-11	CARBON	4.7K	5%	1/4W
R324	1-249-425-11	CARBON	4.7K	5%	1/4W
R325	1-249-424-11	CARBON	3.9K	5%	1/4W
R326	1-249-418-11	CARBON	1.2K	5%	1/4W
R327	1-249-427-11	CARBON	6.8K	5%	1/4W
R328	1-249-441-11	CARBON	100K	5%	1/4W
R356	1-249-425-11	CARBON	4.7K	5%	1/4W
R357	1-249-425-11	CARBON	4.7K	5%	1/4W
R358	1-249-425-11	CARBON	4.7K	5%	1/4W

****

Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	
		**********	
59	1-776-243-11	WIRE, PARALLEL (FFC) (28 CORE)	
63	1-776-244-11	WIRE, PARALLEL (FFC) (14 CORE)	
64	1-777-054-11	WIRE, PARALLEL (FFC) (7 CORE)	
65	1-776-242-11	WIRE, PARALLEL (FFC) (9 CORE)	
67	1-776-245-11	WIRE, PARALLEL (FFC) (16 CORE)	
108	1-452-732-11	MAGNET	
113	1-776-246-11	WIRE, PARALLEL (FFC) (16 CORE)	
⚠253	8-848-376-01	OPTICAL PICK-UP KSS-213B/S-N	
ANT1	1-501-383-21	ANTENNA, TELESCOPIC (FM)	
HE901	1-543-558-11	HEAD, E (ERASE) (DECK B)	
HP901	1-543-424-21	HEAD (PLAYBACK) (DECK A)	
HRP901	1-543-424-21	HEAD (RECORD/PLAYBACK) (DECK B)	
M701	X-2625-770-1	MOTOR ASSY, SPINDLE	
M702	X-2625-769-1	MOTOR GEAR ASSY (SLED)	
M901	3-378-834-01	MOTOR ASSY	
S361	1-571-745-11	SWITCH, LEAF (HI SPEED) (DECK A)	
S362	1-571-556-11	SWITCH, LEAF (PLAY) (DECK A)	
S363	1-571-745-11	SWITCH, LEAF (MOTOR) (DECK A)	
S364	1-571-745-11	SWITCH, LEAF (REC) (DECK B)	
S365	1-571-556-11	SWITCH, LEAF (PLAY) (DECK B)	
S366	1-571-745-11	SWITCH, LEAF (MOTOR) (DECK B)	
S807	1-692-960-11	SWITCH, PUSH (1 KEY) (CD OPEN)	
SP1	1-504-719-11	SPEAKER (12CM) (L CH)	
SP2	1-504-547-11	TWEETER (2 CM) (L CH)	
SP3	1-504-719-11	SPEAKER (12CM) (R CH)	
SP4	1-504-547-11	TWEETER (2 CM) (R CH)	

****

		**********	
		HARDWARE LIST	
		**********	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
#2	7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3	
#3	7-682-549-04	SCREW +B 3X10	
#4	7-685-533-19	SCREW +BTP 2.6X6 TYPE2 N-S	
#5	7-685-104-19	SCREW +P 2X6 TYPE2 NON-SLIT	
#6	7-621-255-25	SCREW +PTT 2X4 (S)	
#7	7-621-773-86	SCREW TOTSU PTTWH 2.6X4	
#8	7-621-255-15	SCREW +P 2X3	

****

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le neméro spécifié.

Ref. No.	Part No.	Description	Remark
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-473-762-11	COMMANDER (STANDARD TYPE)	
⚠	1-557-287-11	CORD, POWER (DW565)	
⚠	1-590-147-11	CORD, POWER (Canadian)	
⚠	1-690-952-11	CORD, POWER (US)	
⚠	1-696-819-11	CORD, POWER (AUS)	
	3-810-895-11	MANUAL, INSTRUCTION (ENGLISH)	
	3-810-895-21	MANUAL, INSTRUCTION (FRENCH) (Canadian)	
*	3-934-934-01	INDIVIDUAL CARTON (565: US)	
*	3-934-935-01	INDIVIDUAL CARTON (565: Canadian, AUS)	
*	3-934-936-01	INDIVIDUAL CARTON (DW565)	
*	3-934-939-01	INDIVIDUAL CARTON (567: US)	
*	3-934-940-01	CUSHION (TOP)	
*	3-934-941-01	CUSHION (BOTTOM)	
*	3-935-430-01	INDIVIDUAL CARTON (567: Canadian)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le neméro spécifié.

9-923-015-11

Sony Corporation
Personal A&V Products Company

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CFD-565/567/DW565

SONY

SERVICE MANUAL

US Model
Canadian Model
CFD-565/567
Australian Model
CFD-565
Central and South America Model
CFD-DW565

CORRECTION-1

Correct your service manual as shown below.

Subject: Addition of New Part

(SPM-97024)

EXPLODED VIEWS

☛ : indicates corrected portion.

Page	INCORRECT				CORRECT			
	Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	3	3-935-457-01	CABINET, REAR (565: US)		3	3-935-457-01	CABINET, REAR (565: US)	
	3	3-935-457-21	CABINET, REAR (EXCEPT 565: US)		3	3-935-457-11	CABINET, REAR (567: US) ☛	
					3	3-935-457-21	CABINET, REAR (EXCEPT 565, 567: US) ☛	

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